

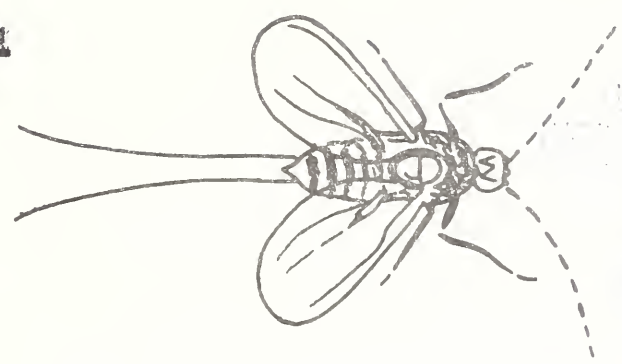
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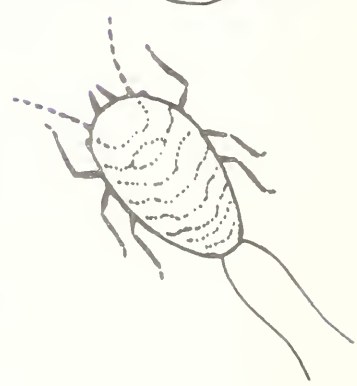
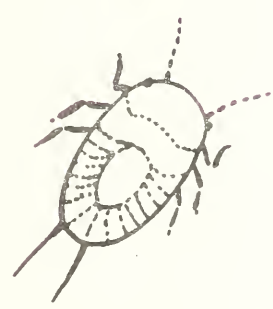
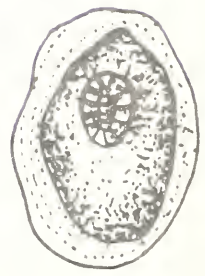
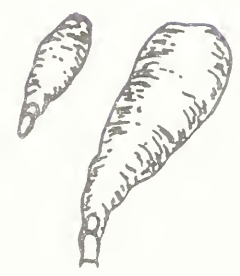
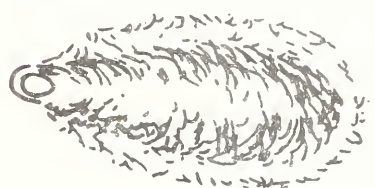
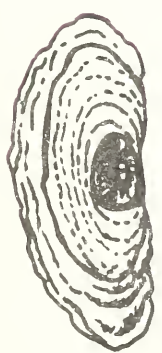
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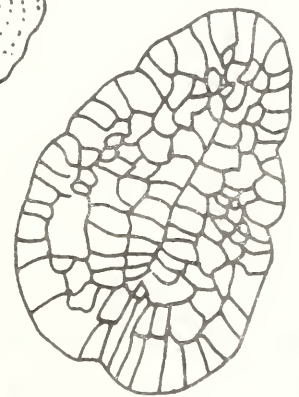
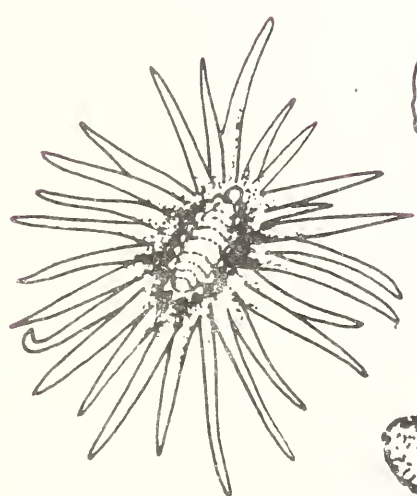
U.S. DEPARTMENT OF AGRICULTURE  
FARM PEST CONTROL  
CURRENT SERVICE RECORDS

# COCCIDOLOGIST'S NEWSLETTER

5/1



EDITOR: DOUGLASS R. MILLER  
SYSTEMATIC ENTOMOLOGY LAB.  
IIBIII, AR, SEA, USDA  
BLDG. 003, RM. 1  
BELTSVILLE, MD., USA 20705





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A List of Coccoidean Species Deposited  
In the United States National Museum  
(Natural History), Beltsville, Maryland.

Part III.

by M. B. Stoetzel and D. R. Miller

Systematic Entomology Laboratory, IIBIII, Agricultural  
Research, Sci. & Educ. Admin., USDA, Beltsville, MD 20705

Part I - The Diaspididae was published in December 1974 in volume II of the "Coccidologists Newsletter" Part II - The Coccidae was published in March 1976 in volume IV. This part includes those species with specific epithets beginning with a-i that are included in one of the following: (Ac) Acleridae, (As) Asterolecaniidae, (B) Beesoniidae, (Cer) Cerococcidae, (Con) Conchaspidiidae, (D) Dactylopiidae, (E) Eriococcidae, (H) Halimococcidae, (Kerm) Kermesidae, (Kerr) Kerriidae, (L) Lecanodiaspididae, (M) Margarodidae, (O) Ortheziidae, (Phena) Phenacoleachiidae, (Ph) Phenicococcidae, (P) Pseudococcidae, and (S) Stictococcidae. The remaining portion of this list (j-z) will be included in the next issue.



As with previous parts, little effort has been made to correct mis-identifications, improper type designations, and incorrect generic assignments. We have updated generic assignments on the basis of the card catalog, but some combinations may have been overlooked.

The format for the list is as follows: (1) The left hand column refers to the total number of boxes of dry material; the number in parentheses is the number of boxes of that total that are given some sort of type designation; the letter(s) is an abbreviation of the type designation as it is written on the box (abbreviations are the same as in 4). (2) The second column from the left includes the species epithet, the author's name, and the generic name under which it is filed in the collection. If type material of a junior synonym is deposited in the collection, the junior synonym is listed followed by an equals sign and the name of the senior synonym in parentheses. Junior synonyms not represented by type material are not listed. (3) The third column from the left is an abbreviation of the family placement. Identity of the abbreviations are given above. (4) The numbers in the fourth column from the left refer to the total number of slides; the number in parentheses is the number of slides of that total that have some sort of type designation; the letter is an abbreviation of the type designation as it is written on the slide; the letters following the parentheses refer to the stages of development other than adult females that are mounted on slides. The abbreviations are: am=adult male; c=first instar; i=immature, other than the first instar.





The dry collections of J. H. Comstock and E. M. Ehrhorn are kept separate from the rest of the USNM Coccoidea Collection. The specimens in these collections have not been included in the lists because they are in considerable disarray. Material mounted on slides from these collections may be in their respective separate collection or in the general collection. If placed in the latter, the slides have been counted and included in the lists.

A recent review of Maskell's specimens indicates that most of his material that is deposited in the USNM is part of the type series even though there is often no written type designation. Much of Maskell's collection was loaned to the U.S. Department of Agriculture and was curated by Harold Morrison. In return for the U.S.D.A.'s efforts, duplicate specimens mounted from Maskell's dry material were deposited in the U.S. National Coccoidea Collection. Slides mounted by Maskell are not deposited in the USNM.



The type abbreviations are:

a=allotype	pL=paralectotype
c=cotype	s=syntype
h=holotype	t=type
hm=homotype	tm=type material
L=lectotype	to=topotype
p=paratype	

-A-

	abditus Borch senius, Phenacoccus	P	1
	abeliceae Kuwana, Eriococcus	E	4
	abertiae DeLotto, Allococcus	P	4(4p)
	aberrans McKenzie, Pseudococcus	P	2(1p)
	abietum Russell, Asterolecanium	As	6(h,4p)
	abnormalis McKenzie, Anisococcus	P	1
	abortivus McKenzie, Chorisococcus	P	5(2p)
1(t)	abrahami Newstead, Crypticerya	M	
	abroniae McKenzie, Chorisococcus	P	7(1p) i
	acaciae Brain, Amorphococcus	L	10(1t,2p) c
1	acaciae Morrison & Morrison, Asterolecanium	As	4(h,1p)
6	acaciae Morrison & Morrison, Auloicerya	M	10(h) i
1(1t)	acaciae (Maskell), Austrotachardia	Kerr	2(2t)
6	acaciae (Maskell), Callococcus	As	12
	acaciae Hodgson, Conchaspis	Con	5(4p)
2	acaciae (Maskell), Epicoccus	P	10 i
7	acaciae (Maskell), Lecanodiaspis	L	11
	acaciae (Joubert), Pseudaspidoproctus	M	3(1t,1p)
	acaciae Maskell, Pseudococcus	P	3
	acaciae DeLotto, Stictococcus	S	4(4p)
1(1t)	acaciae melaleucaae Maskell, Sphaerococcus	?	3
11(1t)	acalyptus Herbert, Matsucoccus	M	102(8p) am, c, i
	acanthocauda (Beardsley), Nesopedronia	P	1(1p)
1(1tm)	acapulcoa Morrison, Orthezia	O	9(h,5p)
51	acericola King, Phenacoccus	P	57 am, i
	aceris Borchsenius, Cryptococcus	E	1
1	aceris (Signoret), Eriococcus	E	3 i
41	aceris Signoret, Phenacoccus	P	54 am, c, i
	acircula Howell & Miller, Stenmatomerinx	P	3(h,2p)
	acirculus McKenzie, Puto	P	3(3p)
	acritocera Chaffin, Lachnodiella		
	(=C. olivaceous	P	4(2c)
1	actinella Cockerell & King, Tachardina		
	(=T. decorella)	Kerr	12(2t)
2	acuta (Lobdell), Oracella	P	100 c, i
2(2p)	acutulum Russell, Asterolecanium	As	4(h,3p) c



	adenostomae (Ferris), Anisococcus	P	3
9(1t,3c)	adenostomae Ehrhorn, Eriococcus	E	7(2c) c
	adenostomae McKenzie, Helicococcus	P	1
	adenticulata Howell & Miller, Stenmatomerinx	P	7(h,6p)
1(1p)	adentocorymbus Miller & Lambdin, Grammococcus	As	21(h,20p) am, c
	adjunctum Russell, Asterolecanium	As	1(h)
	adoxus (Ferris), Ovaticoccus	E	17
	advena McKenzie, Phenacoccus		
	(=P. eschscholtziae)	P	1(t)
	advenus Beardsley, Rhizoecus	P	3(1p)
32	aegyptiaca (Douglas), Lcerya	M	153
	aemulor DeLotto, Planococcus	P	3(3p)
	aescula Williams & Kosztarab, Lecanodiaspis		
	(=L. prosopidis)	L	3(3p)
2	affinis Maskell, Pseudococcus	P	
	affluens Brain, Tachardina	Kerr	9(1t,3p)
1	africana Newstead, Lecanodiaspis	L	3 i
1(1c)	africana (Newstead), Pseudaspidoproctus	M	3(3c) c
	africanus (Brain), Octococcus	P	4(1t,3p)
	africanus Brain, Rhizoecus (=R. falcifer)	P	1
	africanus Brain, Sphaerococcus	P	4(1t,1p)
6(2p)	agavis Russell, Asterolecanium	As	23(15p) am, i
	agavis MacGregor, Pseudococcus	P	3
	agavium (Douglas), Ovaticoccus	E	39 am, c, i
	agropyri Borchsenius, Rhizococcus	E	4 am, c
3(3p)	alabamae Morrison, Matsucoccus	M	16(h,15p) c, i
	alazon Williams, Dysmicoccus	P	26
	albicans McKenzie, Puto	P	2(2p)
1	albida Cockerell, Tachardina	Kerr	11(1t) c
1(1t)	albilineata Williams & Kosztarab,		
	Lecanodiaspis	L	3(h,1p) i
5	albizziae Maskell, Pseudococcus	P	12
14	albizziae Green, Tachardia	Kerr	17 c
	albospicatus Green, Cerococcus	Cer	1
1	albolutea Cockerell, Icerya	M	3(1t)
	albus James, Rhizoecus	P	4(1c)
1	algeriense (Newstead), Asterolecanium	As	1
	alienus DeLotto, Phenacoccus	P	1(1p)
3	alkalinus (Cockerell), Distichlicoccus	P	6(2t)
	alleni McKenzie, Phenacoccus	P	12(1p) am
	alluaudi (Marchal), Cerococcus	Cer	5(5c)
1	alni (Florence), Xylococcus	M	6 i
	alpinus (Maskell), Trionymus	P	2
	ambiguus (Morrison), Dysmicoccus	P	2(h,1p)
4(1c)	ambiguus (Fullaway), Puto	P	6(2c) am
1(1p)	amboinae Russell, Asterolecanium	As	1(h)
	ambrosicola Morrison, Orthezia	O	1(1p)
1	americana Leonardi, Lecanodiaspis	L	1
6(4p)	americana Morrison, Newsteadia	O	10(h,6p) am
	americanus Jakubski, Heteromargarodes	M	2(h) am
	americanus Hambleton, Rhizoecus	P	51(h,11p)
1	americanus (Cockerell), Trionymus	P	74(2t) c, i
	amnicola Borchsenius, Euripersia	P	1
1	amomidis Gomez-Menor, Eriococcus	E	1
1	amorphophalli Betram, Rhizoecus	P	1



1(1t)	amplior Maskell, <i>Cylindrococcus</i>	E	4
	andensis (Hambleton), <i>Rhizoecus</i>	P	4(2c) i
	andersoni (Coleman), <i>Spilococcus</i>	P	5
	andinus Leonardi, <i>Cerococcus</i>	Cer	4(4c) am, c, i
12(2t)	andrei King, <i>Kermes</i>	Kerm	6
5(1tm)	andropogonis McConnell, <i>Aclerda</i>	Ac	39(1t,3p)
44(1t)	angraeci Cockerell, <i>Conchaspis</i>	Con	195(2t) i
1	angulata Froggatt, <i>Austrotachardia</i>	Kerr	2 c
	angustus Ezzat & McConnell, <i>Ferrisicoccus</i>	P	9(h,3p)
	angustus James, <i>Rhizoecus</i>	P	1(1c)
12(1t)	annae Cockerell, <i>Orthezia</i>	O	244(2t) am, i
1(1c)	annandalei Silvestri, <i>Xenococcus</i>	P(?)	1(1c)
4(2p)	anomala Morrison, <i>Echinicerya</i>	M	8(h,2p) am
	anomala (Green), <i>Lecanodiaspis</i>	L	2(2tm)
2(1c)	anomala (Newstead), <i>Paraputo</i>	P	3(1c)
	anoniae Hempel, <i>Pseudotectococcus</i>	E	2
	antennata (Signoret), <i>Puto</i>	P	2 am
	anthonyae Beardsley, <i>Gallacoccus</i>	P	1(h) i
7	antioquensis (Murillo), <i>Puto</i>	P	10(2c) am
	antricolens Ferris, <i>Pseudococcus</i>	P	4(2c)
	aphelus DeLotto, <i>Planococcus</i>	P	2(2p)
1	aphyllonis (Cockerell), <i>Chorizococcus</i>	P	2(2t)
	apiculata (DeLotto), <i>Albertinia</i>	P	1(1p)
	arabicum Ezzat, <i>Amonostherium</i>	P	1(h)
39(1t)	arabidis (Signoret), <i>Asterolecanium</i>	As	83(2t) c
43	araucariae Maskell, <i>Eriococcus</i>	E	91 am, i
1	araucariae var minor Maskell, <i>Eriococcus</i>	E	2
	arcanus Hoy, <i>Eriococcus</i>	E	2
	arctostaphyli Ferris, <i>Eriococcus</i>	E	2(1t) am
	arctostaphyli Ferris, <i>Puto</i>	P	4 am
2(1c)	ardisiae Kuwana, <i>Nipponorthesia</i>	O	4(3c)
2	arecae (Maskell), <i>Chorizococcus</i>	P	5
	arenae Ferris, <i>Heterococcus</i>	P	29
2	arenariae Vayssiere, <i>Orthezia</i>		
	(=O. urticae)	O	2(2c)
	arenarius (Doane & Steinweden), <i>Misericoccus</i>	P	1
3(3t)	arenosus Cockerell, <i>Eriococcus</i>	E	7(2t)
	ariditatis Ferris, <i>Aclerda</i>	Ac	1
	aristida Howell & Miller, <i>Stemmatomerinx</i>	P	2(h,1p)
	arizonensis (Ehrhorn), <i>Cryptoripersia</i>	P	27(L.3pL)
	arizonica McConnell, <i>Aclerda</i>	Ac	1(1p)
6(2c)	armatum Hempel, <i>Erium</i>	P	11(4c)
	artemisidae Kuwana, <i>Eriococcus</i>		
	(=A. lichtensioides)	P	1(1c)
2(1t,1c)	artemisidae Cockerell, <i>Orthezia</i>	O	56(1t,1c) i
1	artemisiae Ehrhorn, <i>Phenacoccus</i>	P	31(1c)
	artemisiae (Cockerell), <i>Cerococcus</i>	Cer	8(5t) am, c
7	arundinariae McConnell, <i>Aclerda</i>	Ac	16(1t,4p)
2(2p)	arundinariae McConnell, <i>Pseudantonina</i>	P	13(1t,10p) c, i
	arundinis McKenzie, <i>Distichlicoccus</i>	P	7
	asparagi Joubert, <i>Cerococcus</i>	Cer	4(1t)
4(2t)	asper Hempel, <i>Stigmacoccus</i>	M	28(6t) c, i
2(2t)	asperatus Hempel, <i>Apiococcus</i>	E	1(1p)
	asphodeli (Bodenheimer), <i>Brevennia</i>	P	1
5(1t)	assimile Maskell, <i>Ultracoelostoma</i>	M	11(1c)am, c, i





	associatus Hambleton, Rhizoecus	P	4(h,3p)
1	asteris Takahashi, Phenacoccus	P	1
	atherospermae (Maskell), Lecanodiaspis	L	8(1s) i
	atlanticus (Hambleton), Rhizoecus	P	3(h,2p)
	atopoporus Miller & McKenzie, Prorhizoecus	P	5(1p)
	atriplicis Ferris, Humococcus	P	10 i
	atriplicis McKenzie, Puto	P	55 i
	atriplicis (Cockerell), Spilococcus	P	26 c, i
	attaleae (Stickney), Colobopyga	Ph	44(h,3p,40t)
	attenuata Ferris, Aclerda	Ac	10(1p)
	aurantius (Cockerell), Dysmicoccus	P	1(L)
18(1t)	aurantiaca Cockerell, Tachardina	Kerr	24(3t)c
	aurelianus (Hall), Promargarodes	M	3(1p)
7	aurilanatus (Maskell), Nipaecoccus	P	19
4	australe (Maskell), Callipappus	M	10(1c) am
	australiensis (Green & Lidgett), Eurycoccus	P	1
	australis Green, Antonina	P	2
5	australis (Maskell), Auloicerya	M	17(1c) c
	australis Howell & Kosztarab, Lecanodiaspis	L	3(h,2p) i
	australis Jakubski, Promargarodes	M	3
	austrinus DeLotto, Dactylopius	D	3(3p)
	avatianae Borchsenius, Phenacoccus	P	1
1	axin (Llave), Llaveia	M	4
58(1t)	azaleae Comstock, Eriococcus	E	150 c
9(1t)	azaleae Kuwana, Phenacoccus	P	2
	azaleae (Tinsley), Planococcus	P	7(2c,2t)

## -B-

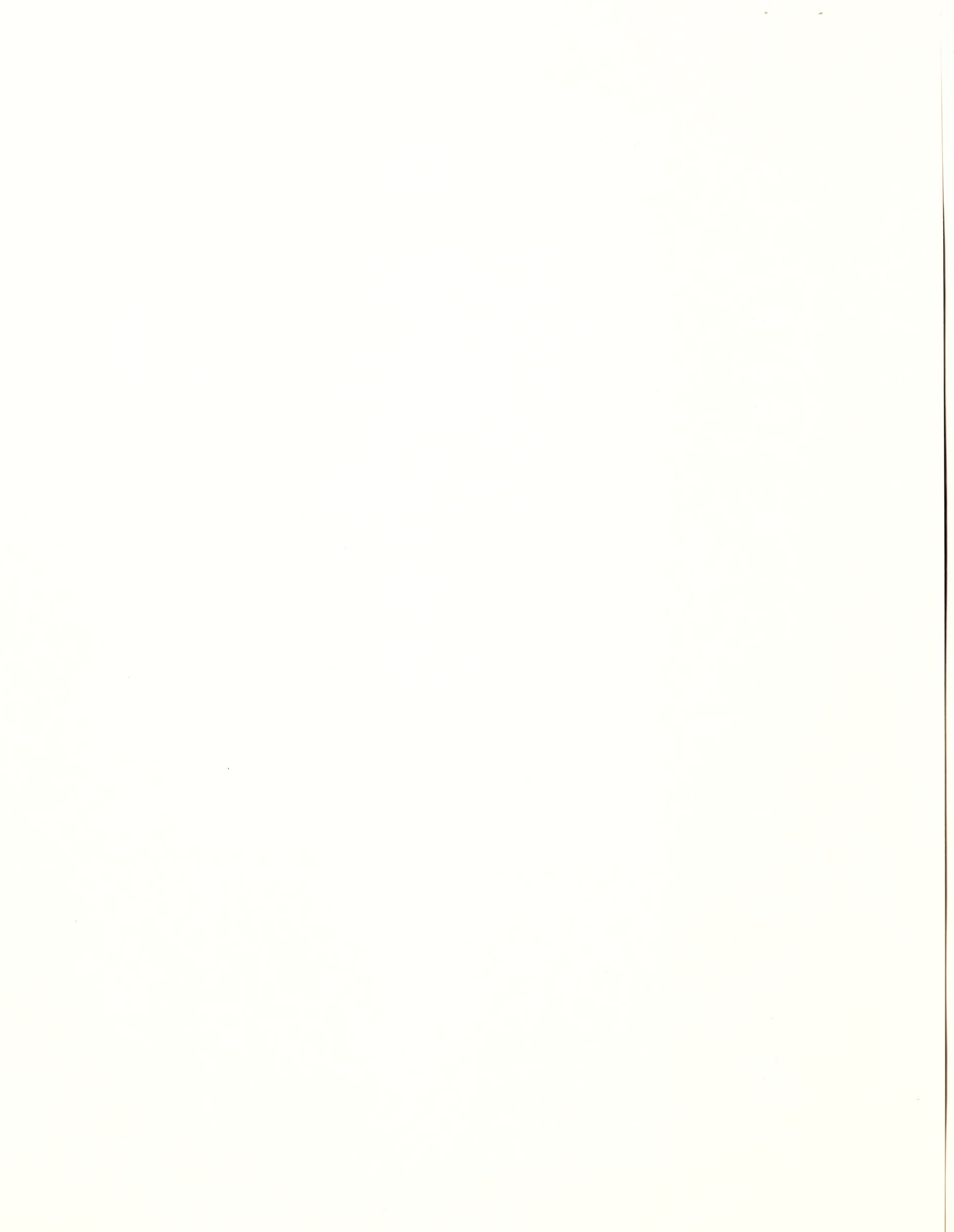
	baccharidis (Hempel), Cerococcus	Cer	3(2t) c
1	baculifera Leonardi, Lecanodiaspis	L	4
	badius Leonardi, Cerococcus	Cer	2(2c) c
2(2p)	bahamensis Morrison, Orthezia	O	4(h,2p)
4(1t)	bahiae Ehrhorn, Eriococcus	E	10(1t,1to)
1(1t)	bahiae Ehrhorn, Puto (=P. yuccae)	P	2(1t,1tm)
	balachowskyi McConnell, Aclerda	Ac	11(h,10p)
	ballotae Signoret, Kermes	Kerm	1 c
1(1p)	balloui Morrison, Orthezia	O	2(h,1p)
1	balteatus (Green), Peliococcus	P	4(4c)
188(2t)	bambusae (Boisduval), Asterolecanium	As	359(1t?) c
38(1t)	bambusae (Maskell), Chaetococcus	P	120 i
	bambusae Takahashi & Kanda, Idiococcus	P	2
1	bambusae (Green), "Pseudococcus"	P	3
5	bambusicola Kuwana, Asterolecanium	As	19
4	bantu (Brain), Peliococcus	P	4(1t,3p)
	barbarae Rau, Hypogeococcus	P	3
	barbatus DeLotto, Paraputo	P	1(1p)
10(1c)	barberi (Cockerell), Puto	P	59 i
	bardus DeLotto, Maconellicoccus	P	2(2p)
	bauerleni (Froggatt), Apiomorpha	E	1
	beardsleyi Miller & McKenzie, Pseudococcus	P	9(1p,8to)
	bechuanae (Brian), Vryburgia	P	5(1t,3to)
	beesoni Green, Pedroniopsis	E	2(2tm)
4	bellum Russell, Asterolecanium	As	4(h,3p)c
1(1t)	benuetensis (Cockerell), Drosicha	M	



3	berlesii Buffa, Aclerda	Ac	10
	beshearae Howell & Miller, Stenmatomerinx	P	6(h,5p)
	betheli Cockerell, Phenacoccus (=P. dearnessi)	P	1(1t)
39(2t)	betulae (Pergande), Xylococcus	M	81 am, c, i
1	bezzii Leonardi, Eriococcus	E	1
	bicirculus McKenzie, Rhizococcus	P	6(1p)
	bicolor DeLotto, Madeurycoccus	P	2(2p)
	bifrons DeLotto, Nairobi	P	4(4p)
	bimaculata DeLotto, Icerya	M	1(1p)
6(3p)	bisetosus Morrison, Matsucoccus	M	203(h,34p,3t) am
	bispinosus Beardsley, Dysmicoccus	P	7(1p)
(1tm)	bispinosus Morrison, Synacanthococcus	P	6(6t)
	bituberculatus McKenzie, Rhizococcus	P	4(2p)
	biumbelcatus DeLotto, Tridiscus	P	1(1p)
	biwakoensis (Kuwana), Nipponaclerda	Ac	8(3c,1t,1tm)
	blanchardii (King & Cockerelle), Eurycoccus	P	19(1t,2c) i
1(1tm)	bodkini Newstead, Austrotachardiella	Kerr	3(1tm)
4	boguei Cockerell, Kermes	Kerm	2
	bolivari (Blachowsky), Porphyrophora	M	2
1(1p)	boliviae Russell, Asterolecanium	As	2(h,1p)
1(1p)	boliviana Morrison, Orthezia	O	3(h,2p)
2(1p)	bondari Lepage, Asterolecanium	As	10(2tm) c
70	boninsis (Kuwana), Dysmicoccus	P	240
1	borassi Green, Halimococcus	H	37(17tm) c, i
	borboniae Brain, Asterolecanium	As	1(1t)
20(1t)	borealis Cockerell, Eriococcus	E	24(1t)
1(1p)	borneense Russell, Asterolecanium	As	1(h)
	boutelouae Parrott, Antonina	P	8
7	bouvari (Signoret), Llaveia	M	24 am, c, i
	brabei Brain, Lecanodiaspis	L	9(1t,2p) am
	brachydactylus Miller & McKenzie, Dysmicoccus	P	1(1p)
1	brachylenae Brain, Asterolecanium	As	4(1p,1to)
1(1c)	brachysetosa Chamberlain, Afrotachardina	Kerr	1(1c)
	brachystegiae Hall, Stictococcus	S	3
	braggi (Cockerell & Robinson), Spiroporococcus	E	2
	brancheatus Varshney, Kerria	Kerr	1(1p)
2	brasiliensis (Hempel), Canceraspis	Ph	6(2c)
4(3t)	brasiliensis Hempel, Cryptokermes	M	14(1t,1tm) c, i
15(3t)	brasiliensis Cockerell, Eriococcus	E	12
	brasiliensis (Willie), Eurhizococcus	M	1
6(3c)	brasiliensis Hempel, Icerya	M	7(2c)
	brevicruris McKenzie, Chorizococcus	P	8(1t)
251	brevipes (Cockerell), Dysmicoccus	P	947 i
	brevispinum Brain, Asterolecanium	As	3(1t,2p)
	bromeliae McKenzie, Sclerosococcus	As	2(1p)
	brookesae Miller, Phacelococcus	E	1(1p)
	browni Miller & Gonzalez, Chilecoccus	E	1(1p)
	browni Beardsley, Colobopyga	Ph	2(2p) i
	brugierae (DeLotto), Paracoccus	P	1
1(1p)	brunetae Russell, Asterolecanium	As	2(h)
	bryanthae Ferris, Puto	P	1
	bryoides (Maskell), Cerococcus	Cer	22(1t) c
	bufo Fullter, Callipappus	M	1
1	burmeisteri (Westwood), Droschica	M	1



	burnerae (Brain), Paracoccus	P	20(1t,2p)
	busiaensis DeLotto, Paracoccus	P	1(1p)
	buxi (Fonscolombe), Eriococcus	E	11 am, c
1	buxtoni (Newstead), Porphyrophora	M	3
-C-			
	cactearum McKenzie, Spilococcus	P	53(3p) am
1	cacti Linnaeus), Protortonia	M	14 c, i
	cacticans (Hambleton), Rhizoecus	P	20(h,8p)
1(1p)	cacticola Morrison, Orthezia	O	13(h,3p)
	caffra (Brain), Rosebankia	P	2(1t,1p)
	cajonensis McKenzie, Phenacoccus	P	6(1p)
1(1p)	calami Stickney, Thysanococcus	Ph	23(h,2p,10t,9tm,c,i
	calceolariae (Maskell), Pseudococcus	P	23
2(1t)	calcitectus (Cockerell), Puto	P	1(1t)
	caldasiae Balachowsky, Chavesia	P	3
6(2c,1t)	californica (Ehrhorn), Aclerda	Ac	7(2c,1t,1to), i
	californica (Ehrhorn), Arctorthezia	O	1(1t)
	Californicus McKenzie, Choricoccus	P	1(1p)
	californicus (Ehrhorn), Distichlicoccus	P	7(1t)
3(1p)	californicus Morrison, Matsucoccus	M	50(h,7p) am
	californicus McKenzie, Ovaticoccus	E	1
	californicus McKenzie, Puto	P	2(1p) am
	californicus Ferris, Rhizoecus	P	4
	californicus McKenzie, Scaptococcus	P	10(1p) i
1	callitri (Froggatt), Icerya	M	2
2	calluneti (Lindinger), Spinococcus	P	2
	campbellensis Beardsley, Nipaecoccus	P	1(1p)
	campestris Hambleton, Rhizoecus	P	9(h,3p)
	campinensis Hempel, Aclerda		
	(=A. takahashii)	Ac	2(2c)
	campinensis Hempel, Eriococcus	E	2(2c)
	candida Cockerell, Icerya		
	(=I. seychellarum)	M	1(1t)
	cantonensis Ferris, Trionymus	P	1
2(1to)	capensis (Giard), Sphaeraspis	M	13(1t,2p,1to)
	capensis Ferris, Phenacoccus	P	4
1	capensis Brain, Pseudococcus		
	(=P. obscurus)	P	13(1t,1p)
	capulatus Ferris, Stomacoccus	M	1
1(1p)	captiosum Russell, Asterolecanium	As	2(h,1p)
	captiosus (DeLotto), Oxyacanthus	P	1(1p)
	captivus McKenzie, Desmococcus	M	4(1t,3p) i
4	caricis McConnell, Trionymus	P	19(1t,3p)
	caritus McKenzie, Humococcus	P	3(1p) i
	caroline Williams, Eriococcus	E	18(h,15p)
	carolinensis Beardsley, Rhizoecus	P	1(h)
1	castaneae Russell, Asterolecanium	As	33(h,29p) c
12(2t)	casuarinae Maskell, Cylindrococcus	E	17
2(1t)	casuarinae Maskell, Eriococcus	E	5
8(1t)	casuarinae Maskell, Frenchia	As	4
	casuarinae Maskell, Gossyparia	E	2
5(1t)	casuarinae Fuller, Ourococcus	E	11(4t,1c)
1	casuarinae (Maskell), Phenacoccus	P	4 i





12	cataphracta (Olafson), Arctorthezia	O	39 c, i
	catenarius Fonseca, Cerococcus	Cer	4
	caudata Ferris, Orthezia	O	1(lp)
13	caudatum Green, Asterolecanium	As	35 am, i
2(1t)	cavellii (Maskell), Eriococcus	E	6
	ceanothi McKenzie, Spilococcus	P	2(1p)
1(1c)	cercropiae Hempel, Lachnodiella	P	7(7c) c
	celmisiae (Maskell), Eriococcus	E	1
	celtisifoliae Hollinger, Phenacoccus	P	5
	ceraricus McKenzie, Humococcus	P	2(1p)
1	ceriferum Green, Asterolecanium	As	3
	ceriferum prominens Green, Asterolecanium	As	1
	cerinus Miller & Gonzalez, Stibococcus	E	2(1a,1p)
7(2t)	cevalliae Cockerell, Phenacoccus	P	9(5t) c
1	ceylonica (Green), Polea	As	2
5	ceylonicus (Green), Dactylopius	D	48
	chamberlaini Varshney, Kerria	Kerr	1(1p)
4(2t,1to)	cheilanthi Tinsley, Orthezia	O	6(6t) c
	chilensis Miller & McKenzie, Eriococcus	E	2(2p)
	chilensis McKenzie, Rastrococcus	P	1(1p)
1(1p)	chinae Russell, Asterolecanium	As	4(h)
	chinensis Mahdihassan, Tachardia	Kerr	2
	chinensis Stickney, Thysanococcus	Ph	14(h,2p,1lt)
	chiriquiensis McConnell, Aclerda	Ac	3(1p)
	chisosi Morrison, Orthezia	O	6(6p)
	chloris (Beardsley), Chlorococcus	P	2(2p) am
1	cholodkovskyi Marchal, Phenacoccus	P	1
	chrysocomae (Brain), Oxyacanthus	P	6(1t,3p)
	chusqueae McConnell, Aclerda	Ac	1(1p)
	cibotii (Beardsley), Nesopedronia	P	1(1p)
6	cinereus (Green), Hemaspidoproctus	M	9
	cingulatus Kiritchenko, Eriococcus	E	1
	cinnamomi Takahashi, Formicococcus	P	4 c
7	circulare Russell, Asterolecanium	As	23(h,22p) c
	circuliprivis Ezzat & McConnell, Paracoccus	P	1(h)
	cistarum Balachowsky, Cerococcus	Cer	1(1c)
404	citri (Risso), Planococcus	P	23, 335 am, c, i
6	citriculus Green, Pseudococcus	P	46
	citricus Ezzat & McConnell, Planococcus	P	23(h,1p) i
1(1t)	cladestinis McConnell, Trionymus	P	14(1t,10p)
1	clauseni Rao, Crypticerya	M	1(h)
3(1c,2t)	claviger (King & Tinsley), Trionymus	P	4(1c,3t)
	claviseta (Lobdell), Ferrisia	P	2(1tm, 1to)
	clavisetosus Hambleton, Brevicoccus	P	4(h,3p)
	clemente Miller, Heliococcus	P	1(h)
	cliffortiae Joubert, Cerococcus	Cer	7(1t)
	cobbi Fuller, Ourococcus	E	1(1t)
39(1t)	coccineus Cockerell, Eriococcus	E	67(1s) am, c, i
1(1c)	coccineus (Newstead), Eurycoccus	P	1(1c)
39	coccus Costa, Dactylopius	D	38 am, i
	cockerellae King, Ripersia		
	(=C. trifolii)	P	2(1to)
1(1t)	cockerelli Essig, Eriococcus	E	1(1tm)
2	cockerelli King, Phenacoccus		
	(=P. dearnessi)	P	2(2c)





1(1t)	cockerelli King & Tinsley, Dactylopius (=P. flaveolus)	P	3(1t,2c)
	cocois Williams, Laminicoccus	P	2
4	cocotis (Maskell), Dysmicoccus	P	25(1t) c
1	coffaeae Newstead, Asterolecanium	As	2
9	coffaeae Green, Geococcus	P	86
	coffaeae Laing, Rhizoecus	P	15
	coganicola McConnell, Aclerda	Ac	12(1t,11p) c
	colemani Ehrhorn, Phenacoccus	P	18(1t)
1(1c)	colimensis Cockerell, Icerya (=I. palmeri)	M	3(3t) i
	colombianus Jakubski, Eurhizococcus	M	3(2) c
	colombiensis (Hambleton), Rhizoecus	P	1(h) i
	coloradensis (Cockerell), Cerococcus (=C. artemisiae)	Cer	11(6t) c, i
	combreticola McConnell, Rhodesaclerda	Ac	13(13p) c, i
	commiphora DeLotto, Spilococcus	P	2(2p)
1	communis Mahdihassan, Tachardia	Kerr	1
	comosum DeLotto, Erium	P	1(1p)
	compacta Green, Walkeriana	M	1
2(2p)	comperei Morrison & Morrison, Monophlebulus	M	6(h,5p) am
	compressa Maskell, Platycoelostoma	M	1(1c) i
115	comstocki (Kuwana), Pseudococcus	P	301(1hm) am, i
	concavocerarii James, Pseudococcus	P	2(2c)
2	conchiferata Green, Metatatchardia	Kerr	8
	confertus DeLotto, Dactylopius	D	2(2p)
2	confluens (Maskell), Eriococcus	E	4
	confusella Cockerell, Ripersia (=C. trifolii)	P	1(1t) am, i
	confusum Morrison & Morrison, Amonostherium	P	4(h,3p)
8(3t)	confusus (Cockerell), Dactylopius	D	97(L,6s,1tm) am
	confusus Maskell, Eriococcus	E	1
	congolensis Jakubski, Margarodes	M	1
4(1c)	conica (Froggatt), Apiomorpha	E	4(2c) i
	coniculus Miller & McKenzie, Chorizococcus	P	1(1p)
	conspersus Maskell, Eriococcus	E	1
1	conspicuum Brain, Asterolecanium	As	9(1t,2p)
2	contrahens Walker, Drosicha	M	6 am
	convexa Fuller, Austrotachardia	Kerr	1(1t)
1	convexa Froggatt, Lecanodiaspis	L	2(1tm)
3(2p)	convexa (Morrison), Perissopneumon	M	6
	convolvuli Ezzat, Spinococcus	P	2(h,1p)
1	corallinum Takahashi, Asterolecanium	As	1(1c)
	cordaliae Leonardi, Tachardiella	Kerr	2
	cordiae Mamet, Conchaspis	Con	4(1t,2p)
3(1t)	coriaceus Maskell, Eriococcus	E	2
11(2t)	cornuta Cockerell, Tachardiella	Kerr	14(2t) c
	corokiae (Maskell), Cerococcus	Cer	4 c
3(1t)	coronatum Green, Asterolecanium	As	7
	coronus Miller & McKenzie, Trionymus	P	5(1p)
6(1c)	corpulenta (Kuwana), Drosicha	M	11(1tm) am, c, i
	corticis (Townsend & Cockerell), Mycetococcus	As	9(3c,1tm)
	corticosis McKenzie, Spilococcus	P	1(1p)
	costaricensis Cockerell & Robinson, Eriococcus	E	2(1t)
	cotyledonis DeLotto, Phenacoccus	P	1(1p)



	coxindex McKenzie, Choricococcus	P	1(1p)
	crassus DeLotto, Planococcus	P	2(2p)
3(2t,1c)	crateraformis Hempel, Capulinia	E	2(2c)
7	crawfordi (Maskell), Monophlebulus	M	10 am, c
	crawii (Coquillett), Anisococcus	P	7(1t)
23(1t)	crawi Cockerell, Anotonina	P	70(1t)
2	cremastogastri Green, Anomalococcus	L	1
1(1c)	cremastogastri Takahashi, Lecanodiaspis	L	1(t?)
	cressae (Hall), Trionymus	P	1
1	crini Hall, Trionymus	P	1
1	cristatum Ferris, Asterolecanium	As	3(3p)
13(1t)	cristicola Cockerell, Olliffiella	Kerm	28 i
	crithmi (Goux), Porphyrophora	M	2
	crotonis Reyne, Protortonia	M	1
	crotonis Green, Dactylopius		
	(=P. lilacinus)	P	1(1t)
	cryophilus DeLotto, Orococcus	P	5(5p)
	crypta (Beardsley), Nesopedronia	P	1
4	cryptus (Hempel), Dysmicoccus	P	22
4	cryptus Cockerell, Eriococcus	E	10
	cryptus Beardsley, Ohiacoccus	P	1(1p)
2(1t)	cualatensis (Cockerell), Cataenococcus	P	6(4t,1c) c
2(2p)	cubana Morrison, Mixorthezia	O	4(4p)
	cubanensis Ezzat & McConnell, Planococcoides	P	1(h)
	cucurbitae Ezzat & McConnell, Planococcus	P	1(h)
2	cuneiformis Green, Eroides	P	3
4	cupressi (Ehrhorn), Ehrhornia	P	15
	cupressi (Coleman), Puto	P	11(1c) i
	curassavicus Reyne, Eriococcus	E	2(1tm)
14	cuspidatae Rau, Pseudococcus		
	(=D. wistariae)	P	42(h,1p)
7(3t)	cydoniae Hempel, Austrotachardiella	Kerr	7(4t) c
	cynodontis (Kiritchenko), Rhizococcus	E	1
1	cyperalis (Hambleton), Rhizoecus	P	2(h,1p)
1	cypraeaeformis Fuller, Eriococcus	E	

-D-

	dakotensis Kosztarab & McDaniel, Antonina		
	(actually E)	P	1(h)
1	dalbergiae (Stebbing), Drosicha	M	3 am
2(1t)	danthoniae Maskell, Eriococcus	E	4
	danthoniae Morrison, Trionymus	P	3(1p)
	dasychloae (Ferris), Humococcus	P	2
4(1t)	dasyilirii Cockerell, Dactylopius		
	(=F. virgata)	P	2(2t) i
26	dearnessi King, Phenacoccus	P	84 am, c, i
	debregeasiae Green, Pseudococcus	P	3
9	decorella (Maskell), Tachardina	Kerr	25
	decorosus McKenzie, Puto	P	5(3p)
	defectus Ferris, Phenacoccus	P	15 i
1(1p)	degeneratum Russell, Asterolecanium	As	6(h,3p)
1(1p)	degeneratus Morrison, Matsucoccus	M	13(h,9p) am
	deklei Kosztarab & Vest, Cerococcus	Cer	33(h,15p)am, c, i
	delassusi (Balachowsky), Amonostherium	P	2(1to)



3(2t,1c)	deleoni McKenzie, Pityococcus	M	2(1t,1p)
	delicatum (Green), Asterolecanium	As	4(2c,1tm) i
	delottoi Ezzat, Crisicoccus	P	1(h)
	demertor DeLotto, Trionymus	P	1(1p)
7	dendrobii (Douglas), Lecanodiaspis	L	17 am, i
10	dendrobii Ezzat & McConnell, Planococcus	P	10(h,8p) i
	densus Miller, Cornoculus	E	1
4	dentatus Lobdell, Pseudococcus	P	5
	deserticola Miller, Heliooccus	P	10(h,9p)
	desertorum McKenzie, Dysmicoccus	P	5(2p) i
4(1c)	devoniensis (Green), Eriococcus	E	6(1c)
1(1t)	diaspidiformis Green, Sphaerococcus	?	1(tm)
	dicoriae McKenzie, Phenacoccus	P	6(6p) i
	didiereae Mamet, Conchaspis	Con	3
2(2p)	difficile Russell, Asterolecanium	As	7(h,6p)
1	difficilis (Lobdell), Dysmicoccus	P	10
1	digitata (Cockerell), Aclerda(?)	Ac	11(1t)c
	digitata Munting, Tachardina	Kerr	3(3p)
4	diminutus (Leonardi), Trionymus	P	26 am, i
1	diodium (McConnell), Dysmicoccus	P	19(1t,8p) i
	diplothemí Lepage & Giannotti Conchaspis	Con	1
1	dipterocarpi Green, Beesonía	B	c(2c,3tm) c
2(2p)	disiunctum Russell, Asterolecanium	As	1(h)
	disjunctus McKenzie, Rhizoecus	P	2(1p)
	dispar McKenzie, Pseudococcus	P	1(1p)
	distichlii Ferris, Tridiscus	P	2
	distichlium (Kuwana), Paludicoccus	P	4
	distincta Howell & Kosztarab, Lecanodiaspis	L	1(h)
	distincta (DeLotto), Vryburgia	P	3
1(1p)	distinctum Russell, Asterolecanium	As	9(h,6p)
	distinctus (Hambleton), Rhizoecus	P	25(h,2p)
2(1t)	distorta Green, Aclerda	Ac	3(1t)
	diversus McKenzie, Pseudococcus	P	4(2p)
	diversus (DeLotto), Paracoccus	P	2(1p)
	dolus Ferris, Trionymus	P	3
	dorsispinosus Beardsley, Pseudococcus	P	2(2p)
	dorospinosus Ezzat & McConnell, Planococcus	P	6(h,1p)
4	dubius Cockerell, Eriococcus	E	27(2t) am, i
	dudleyi Coleman, Dactylopius		
	(=S. andersoni)	P	1(1c)
	dumonti Vayssiere, Cerococcus	Cer	3(3c) c
	dura (Beardsley), Nesopedronia	P	2(1p)
	durus DeLotto, Sphaerococcus	P	1(1p)
	dybasi Beardsley, Pseudococcus	P	3(h,2p)
	dymocki (Froggatt), Steatococcus	M	3 c

-E-

	ebrachiata Chamberlin, Tachardia	Kerr	1
	echeveriae McKenzie, Phenacoccus	P	1(1p)
1	echinata Balachowsky, Ripersia	P	3(3c)
	echinatus McKenzie, Puto	P	8 am, i
1(1t)	echiniformis (Fuller), Ascelis	E	2



	ecuadorensis Morrison, Mixorthezia	O	1(1t)
10(8p)	eduli Morrison, Matsucoccus	M	31(h,21p)am, c, i
	ehrhorni (Cockerell), Mycetococcus	As	33(1t)
	ekebergiae Munting, Conchaspis	Con	6(6p)
3(1c)	elastica Marchal, Trabutina	P	5(4c) am, c
	elevans (Maskell), Floracoccus	?	1
	elisabethae Brain, Pseudococcus (=P. quaesitus)	P	4(1t,3p) am
	elisae Borchsenius, Pseudococcus	P	54
	elongata Ferris, Lecanodiaspis	L	1(1tm)
1(1p)	elongatum Russell, Asterolecanium	As	2(h,1p)
	elongatus Takahashi, Allotrionymus	P	1
	elytropappi Munting & Giliomee, Lecanodiaspis	L	3(3p) am
1	epachridis (Maskell), Asterolecanium	As	3
	ephedrae (Coquillett), Anisococcus	P	17(2t)
	epicopus (Williams), Rhizoecus	P	2(2p)
46(1c)	epidendri (Bouche), Asterolecanium	As	119 i
	eremicus Ferris, Phenacoccus	P	17 am
	eremobius Scott, Cerococcus	Cer	2 c
	eremocitri Howell & Kosztarab, Lecanodiaspis	L	3(3p)
	erica Howell & Kosztarab, Lecanodiaspis	L	1(tm)
3	ericae Signoret, Eriococcus	E	4
	ericicola Maskell, Pseudococcus	P	4
	erigeroni James, Pseudococcus	P	3(3c)
	erinaceus Ferris, Clavicoccus	P	5(h,4p)
	erionidi Ehrhorn, Eriococcus	E	6(1c)
	erionidi Miller, Oregmopyga	E	11(1p)
	erionidi Ferris, Phenacoccus	P	4 i
3(1c)	erionidi (Ehrhorn), Spilococcus	P	12(1c) i
	erratica DeLotto, Lecanodiaspis	L	1(1p)
	erythrocephala Green, Neomargarodes	M	1
	esakii Takahashi, Neosimmondsia	P	5
	eschscholtziae McKenzie, Phenacoccus	P	13 i
	etbaicus DeLotto, Eriococcus	E	1(1p)
14(1c)	eucalypti Maskell, Eriococcus	E	11
1	eucalypti (Maskell), Lachnodius	?	1(1c)
3	eucalypti (Maskell), Lecanodiaspis	L	9(1c)
	eucalypti Fuller, Olliffia	E	1(1t)
	eucalypti Fuller, Ourococcus	E	1(1t)
	eugeniae Lambdin & Kosztarab, Acalyptococcus	E	5(h,4p)
	eugeniae Miller & Denno, Plotococcus	P	15(h,14p) am, c, i
1(1p)	euphorbiae Russell, Asterolecanium	As	7(h,1p)
	euphorbiae Brain, Conchaspis	Con	4(1t)
1(1t)	euphorbiae Ferris, Eriococcus	E	2(2t)
	euphorbiae Ezzat & McConnell, Planococcus	P	1(h)
1	euphorbiae (Brain), Steatococcus	M	7(1t,1p) am, i
	europeae (Newstead), Euripersia	P	1
	eurythrix Miller & Gonzalez, Eriococcus	E	7(7p)
2	euryopis Fuller, Asterolecanium	As	6(1t,1p)
	eversi Beardsley, Chavesia	P	7(h,3p) i
	excupula Fuller, Apiomorpha	E	2
1	exiguum Green, Asterolecanium	As	3(2t)
	exiguus Maskell, Eriococcus	E	1







-F-

	fagi (Maskell), Sarococcus	P	1
	fagi Maskell, Solenophora	Cer	4(2t,1c) i
	fagicorticis Maskell, Eriococcus	E	3
17	fagisuga Lindinger, Cryptococcus	E	40 c, i
3	falcifer Kunckel d'Herculaïs, Rhizoecus	P	49 am
6(2t)	fasciculensis Herbert, Matsucoccus	M	58(1t,15p) am
1	ferrisi McConnell, Aclerda	Ac	1(1c)
	ferrisi Lambdin & Kosztarab, Gallinococcus	L	8(h,3p)
	ferrisi Morrison, Orthezia	O	10(2p) i
	ferrisi Ezzat & McConnell, Paracoccus	P	8(h,7p)
1(1tm)	ferrisi McKenzie, Pityococcus	M	30(h,5t,2p) am
	ferrisi McKenzie, Sclerosococcus	As	4(2p)
	ferrisi Chamberlin, Tachardiella	Kerr	1(1p)
	festeriana (Lizery y Trelles), Hypogeococcus	P	1
	festucae (Archangelskaia), Neomargarodes	M	4
2(1c)	festucae (Kuwana), Trionymus	P	1
1	feytaudi Ducasse, Matsucoccus	M	10(6to) am
6(1c)	fici Green, Tachardia	Kerr	11(3c) c
	ficoides Green, Cerococcus	Cer	6(4c) c
3	ficus (Signoret), Planococcus	P	25
	filamentosus (Cockerell), Nipaecoccus	P	54(7t,3tm)
	filictus (DeLotto), Brevennia	P	1(1p)
1	filiferus Loew, Xylococcus	M	5
1(1to)	fimbriatulus (Cockerell & King), Dysmicoccus	P	8(1t,1to)
3	fimbriatum (Fonscolombe), Asterolecanium	As	10 i
2(1c,1t)	fimbriatus Brittin, Scutare	E	3(2c,1t) c
	fistulosus McKenzie, Chorizococcus	P	2(2p)
	flabellatus Ferris, Discococcus	P	8
1(1p)	flagellariae Russell, Asterolecanium	As	8(h,6p) am, i
	flagellatus DeLotto, Planococcus	P	1(1p)
	flagrans (Brain), Annulococcus	P	6(1t)
	flava Goux, Rhodania	P	4
	flaveolus (Cockerell), Phenacoccus	P	23(1c,1t)
7	floccosa (DeGeer), Newsteadia	O	23
	floridanus Jakubski, Promargarodes	M	17(4t)
	floridanus Hambleton, Rhizoecus	P	20(h,6p)
	floriger Ferris, Pseudococcus	P	4(1to)
2	floriger (Walker), Walkeriana	M	4 c
3	florum Russell, Asterolecanium	As	4(h)
	fontanus Ferris, Distichlicoccus	P	1
	formicarii (Ehrhorn), Cataenococcus	P	2(2p1)
1	formicarii Green, Tylococcus	P	1
	formicarius Newstead, Stictococcus	S	1
30	formicarum Guilding, Margarodes	M	45 c, i
	formicicola (Maskell), Dysmicoccus	P	1
1(1c)	fossor (Maskell), Eriococcus	E	2
	fouquieriae Ferris, Xerococcus	E	3(1p)
	fragilis Brain, Pseudococcus	P	7(1t,2p)
	franseriae Ferris, Phenacoccus	P	5(1p)
5	fraxini (Kaltenbach), Pseudochermes	E	13
1	frenchi Froggatt, Lecanodiaspis	L	3 i
1	frenellae Froggatt, Erium	P	2
1	froggatti Maskell, Sphaerococcus	?	3 i



14(1t)	frontalis McKenzie, Trionymus	P	1(1p)
	fulgens Cockerell, Tachardiella	Kerr	30(2t) c, i
	fulleri Brain, Natalensia	P	2(1t,1p)
2(1t)	fulleri (Cockerell), Pseudaspidopectus	M	15(2t,3p) am
	fulvoradiata (Cockerell), Tachardiella		
	(=T. mexicana)	Kerr	2(2t) c
	fervus McKenzie, Trionymus		
	(=T. violascens)	P	1(1p)
1	fusum Russell, Asterolecanium	As	1(h)
-G-			
2	galapagoensis Kuwana, Orthezia	O	4
2(1t)	galapagoensis Morrison, Pseudococcus	P	1(h)
6(1t,1c)	gallicola Cockerell and Rohwer, Atriplicia	E	23(2c,3tm) c, i
	gallicola Ferris, Fulbrightia	Kerm	1
	gallicola Ehrhorn, Pseudococcus	P	9
	gallicola Reyne, Reyvaania	E	1
49(28p)	gallicolus Morrison, Matsucoccus	M	173(h,115p) am, c, i
45	galliformis Riley, Kermes	Kerm	22 c
3(1p)	garciniae Russell, Asterolecanium	As	4(h,1p)
	gardeniae Williams, Tympanococcus	P	2(h,1p)
2(1c 1t)	garryae Cockerell, Orthezia	O	3(3t)
1(1p)	gemmae Russell, Asterolecanium	As	3(h,2p)
4(1t)	gemmafera (Cockerell), Austrotachardiella	Kerr	10
	geniculatus James, Rhizoecus	P	2(2c)
	geraniae (Rau), Spilococcus	P	15 am
	gerbergi McDaniel, Eriococcus	E	3(1s)
	gigantea Morrison, Orthezia	O	2
	giganteus McKenzie, Phenacoccus	P	13(1p)
	giganticoxa Lobdell, Pseudantionina	P	3
	gilbertensis Beardsley, Pseudococcus	P	6
10	gillettei Tinsley, Eriococcus	E	23(2t) am, i
4(2t)	gillettei Cockerell, Kermes	Kerm	4
2(1p)	gilvum Russell, Asterolecanium	As	5(h,4p) i
	gisleni Ossiannilsson, Puto	P	2(2p)
1(1t)	glacialis (Newstead), "Phenacoccus"	P	1(1c) c
	glandulosa James, Ripersia	P	2(1c)
	glaucus (Maskell), Pseudococcus	P	7(1t) c
	globatus Brittin, Ripersia	P	1(1tm)
	globoculus (Hambleton), Rhizoecus	P	4(h,3p)
1	globosum (Maskell), Erium	P	
2(2t)	glomerella (Cockerell), Tachardiella	Kerr	4(3t)
	glomerulus DeLotto, Eurycoccus	P	2(2p)
	gnidii (Signoret), Eriococcus	E	3
2	gorodetskia Nassanow, Steingelia	M	5(1c) am
112(3t)	gossypii Townsend & Cockerell, Phenacoccus	P	141(18t) am, c, i
1(1t)	gossypii psidiarium Cockerell, Phenacoccus	P	2(2t)
	gracile DeLotto, Conicosoma	P	1(1p)
1(1t)	gracilis Fuller, Cylindrococcus	E	1(1tm)
	gracilis McKenzie, Rhizoecus	P	22(2p) am
	graminea DeLotto, Vryburgia	P	2(2p)
10	graminicola Morrison, Heterococcus		
	(=H. nudus)	P	23(h,19p) am, c, i
1(1p)	graminicola Morrison, Orthezia	O	3



	graminicolus James, Rhizoecus	P	1(1c)
15	graminis (Maskell), Antonina	P	240(1t) am, c, i
	graminis (Ferris), Discococcus	P	4
1	graminis Maskell, Eriococcus	E	4
3(1t)	graminis Tinsley, Orthezia	O	16(8t) am, c
1(1t)	graminis (Maskell), Nipaecoccus	P	3
	graminis (Hambleton), Rhizoecus	P	5(h,2p)
	graminis orientalis (Maskell), Pseudococcus	P	2
	graminosus McKenzie, Phenacoccus	P	7(3p)
3(1p)	grandiculum Russell, Asterolecanium	As	20(h)
1	grandis Hempel, Orthezia	O	2(2c)
4(2t)	grandis (Hempel), Pseudococcus	P	5(2c) am
	grandis (Maskell), Eriococcus	E	2
	greeni Marchal, Asterolecanium	As	4(1t,3c)
	greeni Takahashi, Lecanodiaspis	L	1(1pL)
1	greeni (Brain), Margarodes	M	8(1t,1p,4c)
	gregalis Brain, Grewiacoccus	P	4(1t,1p)
2(2t)	gregarius Hempel, Apiococcus	E	2(2c)
1	grenadensis Green & Laing, Phenacoccus	P	1
	gressitti Beardsley, Palauococcus	P	1(h)
	gripha Munting, Tachardina	Kerr	2(2p)
	guadalcanalia Morrison, Newsteadia	O	1(h)
	guadalcanalia Morrison, Nipponorthezia	O	1(1t)
	guamensis Beardsley, Palmicultor	P	2(h,1p)
	guatemalensis (Ferris), Cataenococcus	P	173
1(1p)	guatemalensis Morrison, Orthezia	O	2(h)
	guerini Montrousier, Tessarobelus	M	14
	gurneyi Fuller, Eriococcus	E	1
4(2t)	gutierreziae (Cockerell), Spilococcus	P	9(1t)
	gutta Green, Asterolecanium	As	2(2t) i
3	gymnocarpi (Hall), Monophleboides	M	5 am, c, i
	gymnolomiae Morrison, Orthezia	O	5(3p)

## -H-

	haancheni McKenzie, Trionymus	P	4(3p)
2(1t,1to)	haematoptera (Cockerell), Drosichoides	M	1 am
3	hakaea Fuller, Asterolecanium	As	7(1t)
	haleakala Beardsley, Tomentocerus	P	1(h)
	halli Ezzat & McConnell, Planococcus	P	12(h) c
	halli McConnell, Rhodesaclerda	Ac	14(9p,5tm) c, i
1	hambletoni Morrison, Orthezia	O	1(1h)
	hameli (Brandt), Porphyrophora	M	2
	hawaiiensis (Ferris), Nesopedronia	P	1
	hawaiiensis (Hambleton), Rhizoecus	P	4(h,1p)
21(1t)	helianthi (Cockerell), Phenacoccus	P	60(2t) am, i
2	hellenicus (Gennadius), Marchalina	M	8 c, i
1(1t)	helmsii Fuller, Apiomorpha	E	1
2	hemisphaericum Kuwana, Asterolecanium	As	5
3(2c,1t)	hempeli Cockerell, Mimosicerya	M	8(3c,1tm) c, i
	herbaceus Danzig, Rhizococcus	E	1(1p)
1	herbicola (Maskell), Chorizococcus	P	1
1	hibbertiae (Maskell), Pseudococcus	P	4
4(1t)	hiemalis (Cockerell), Porphyrophora	M	4(1t)



	hilariae (Ferris), Humococcus	P	8
1	hilli Green, Asterolecanium	As	1(1t)
	hilli Froggatt, "Dactylopius"	P	1(1c)
1(1t)	himalayensis Green, Kermes	Kerm	1(1t)
4	hirsutissimus (Hall), Porphyrophora	M	14 c
	hirsutus McKenzie, Circaputo	P	2(2p)
	hirsutus (Green), Maconellicoccus	P	60
	hirtus (Brain), Monophleboides (?)	M	1(1t)
5	hispidus (Morrison), Cataenococcus	P	10
1	hoferiae (Maskell), Noteococcus	E	1
10	holci Teague, Aclerda	Ac	52(1t, 1p, 7to) am
	hopi Ferris, Discococcus	P	1
	hordei (Lindeman), Phenacoccus	P	1
3(1p)	horishae Russell, Asterolecanium	As	14(h, 8p)
	hosnyi Ezzat & McConnell, Planococcus	P	2(h)
	hospitus DeLotto, Planococcus	P	1
2(1to)	howardi (Kuwana), Drosicha	M	8 am, c, i
	howardi Ehrhorn, Eriococcus (=E. quercus)	E	1(1t)
1	humboldtiae (Green), Lachnodiopsis	P	4(1tm)
	hurdi McKenzie, Phenacoccus	P	2
	hymenocleae (Cockerell), Amonostherium	P	20(4t)
1	hyparrheniae Hall, Neomargarodes	M	2(2tm)
	hyperici (Ferris), Hypericicoccus	E	1
3	hyphaeniacus (Hall), Pseudaspidoproctus	M	18
	hypoestis James, Ripersia	P	1(1c)
	hypogeus DeLotto, Cataenococcus	P	3(3p)
	hypolithus (Shotwell), Cryptoripersia (=C. trichura)	P	3(1t)
	hystrix DeLotto, Eriocorys	E	1(1p)
	hystrix (Baerensprung), Phenacoccus	P	1

## -I-

	iceryoides (Maskell), Trionymus	P	4
3	iceryoides (Green), Rastrococcus	P	19
	idahoensis Miller & McKenzie, Trionymus	P	1(1p)
10	ilicicola Targioni-Tozzetti, Asterolecanium	As	18 am, i
3	ilicis (Linnaeus), Kermes	Kerm	2
	immane (Maskell), Callipappus	M	2(1c)
	immsi James, Rhizoecus	P	1(1c)
4	imperatae Rao, Icerya	M	11(h) c, i
	imperialis McKenzie, Anisococcus	P	2(2p)
6	implicatus Ferris, Spilococcus	P	11
	importatus McKenzie, Pseudococcus	P	307
	inaequalis James, Ripersia	P	2(2c)
	inamabilis (Hambleton), Allococcus	P	1
	incomptus McKenzie, Phenacoccus	P	1(1t)
1(1p)	inconspicuum Russell, Asterolecanium	As	1(h)
	incrassatus James, Rhizoecus	P	1(?)
	indecisus (Cockerell), Chorisococcus	P	1(1t)
	indecisus (Hall), Spilococcus	P	2
	indica (Maskell), Antonina (=A. graminis)	P	8i
10	indica var. panica Hall, Antonina (=A. natalensis)	P	2(1c)







2	indicus Ramakrishna Anomalococcus	L	
	indicus (Maskell), Cerococcus	Cer	11 am, c
2	indicus Morrison, Monophlebidus	M	4(h, 3p)
	infernalis McKenzie, Phenacoccus	P	5(2p)
	inflatipes (Maskell), Sphaerococcopsis	?	6(4pL) c, i
1(p)	ingae Russell, Asterolecanium	As	3(h,2p)
2(1t)	ingae Howell & Kosztarab, Lecanodiaspis	L	5(h,1p)
2(2t)	ingae Hempel, Tachardiella	Kerr	7(3t)
1(1p)	inlabefactum Russell, Asterolecanium	As	41(h,2p) i
	inornatus McKenzie, Humococcus	P	5(1p)
2(1c)	insignis Newstead, Eriococcus	E	2
	insignis (Lobdell), Helicococcus	P	1(1p)
	insignis Browne, Orthezia	O	277 c, i
	insolitus (Green), Coccidohystrix	P	8
	insularis Morrison, Pseudococcus	P	lost?
9	insularis Ehrhorn, Trionymus	P	5(1c,1p,2t) i
	intermedius Balachowsky, Cerococcus	Cer	2(2t) c
	intermedius (Maskell), Sisyracoccus	E	1
	intermedius Newstead, Stictococcus	S	1
1	internodii (Hall), Trionymus	P	1
	interruptus McKenzie, Chorizococcus	P	2
1(1p)	inusitatum Russell, Asterolecanium	As	1(h)
4(1t,1c)	irishii (Cockerell), Chorizococcus	P	4(1t) c
	ironsidei Williams, Eriococcus	E	3(3p)
	ischaemi Ramakrishna, Aclerda	Ac	15(91p)

-J-

	jaapi Jakubski, Porphyrophora	M	5
3(1c)	jaboticabae von Ihering, Capulinia	E	2
13	jacobsoni (Green), Crypticerya	M	26 c
1	jacobsoni Green, Pseudococcus (=C. hispidus)	P	1
2(1t)	japonicum Cockerell, Asterolecanium	As	5(1t) i
1(1t)	japonicus Kuwana, Eriococcus	E	3(1c)
1	japonicus Oguma, Xylococcus	M	3 am
	jasmini DeLotto, Cataenococcus	P	2(2p)
1(1p)	javae Russell, Asterolecanium	As	1(h)
2	javanus Chamberlin, Tachardia	Kerr	4
2(1t)	jessica (Hollinger), Eurycoccus	P	38(1c,1to)
	johnsoni Miller, Oregmopyga	E	1(1p)
	jorgenseni Morrison, Eriococcus	E	2(2c)
	jouberti DeLotto, Eastia	P	1(1p)
	junceus (McConnell), Dysmicoccus	P	66(1t,5p) am
	juniperi Morrison, Orthezia	O	4(3p)
5	juniperi (Ehrhorn), Spilococcus	P	34(IL) i
	juniperinus DeLotto, Eriococcus	E	1(1p)



## Additions to "List I - Diaspididae"

arecibo Howell, Haliaspis	9(h,8p)
brayi Davidson & Miller, Hemigymnaspid	12(h,11p) am, c, i
gallanformans Ben-Dov, Discodiaspid	2(2p)
jessopae Davidson & Miller, Hemigymnaspid	3(h, 2p)
milleri Howell, Haliaspis	7(h, 6p)
mkuzensis Ben-Dov, Africonidia	2(2p)
nakaharai Howell, Haliaspis	10(h,9p)
natalensis Ben-Dov, Chimania	1(1p)
orchidicola Davidson & Miller, Hemigymnaspid	4(h,3p)
pimentae Davidson & Miller, Hemigymnaspid	3(h,2p)
quadriclavata Ferris, Scytalaspis	1
senapiensis Ben-Dov, Chortinaspid	2(2p)
shastae (Coleman), Cupressaspis	1
triductus Ben-Dov, Chimania	1(1p)
trilobis Ben-Dov, Obtusaspis	2(2p)
varus Lobdell, Protodiaspid	3



List of Coccoidea Deposited at the Citrus Experiment Station,  
University of California, Riverside

by  
Raymond J. Gill  
and  
Saul I. Frommer

While this scale insect collection is small, having less than 4,000 slides, it does contain a large percentage of type material. Much of this type material is quite old, dating back to species described by T. D. A. Cockerell, E. E. Green, A. Hempel, and others and for this reason this list may be of great value to the student of the Coccoidea. Much dry material exists in this collection but has not been categorized at the present time.

One holotype specimen of Cornuaspis (Lepidosaphes) chinensis (Chamberlin) was deposited with the collection and this fact was so stated by Chamberlin 1925a (Pan. Pac. Ent. 2:85-87). However, in keeping with the general policy regarding the disposition of all holotypes belonging to this institution, the chinensis specimen has been placed on permanent loan in the California Academy of Sciences Collection in San Francisco. The holotype slide is listed as Lepidosaphes chinensis Chamberlin, CAS TYPE #13364 and can be obtained on loan by writing to Dr. Paul Arnaud, Department of Entomology, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118.

Saul Frommer has graciously donated one to three reference slides of certain species to the collection at the California Department of Food and Agriculture in Sacramento. These species will be marked in the list with an asterisk. Numbers of specimens listed for these species reflects the number still housed at Riverside.

In order to obtain specimens on loan from the collection write to Saul I. Frommer, Curator, U.C.R. Entomological Teaching and Research Collection, University of California, Riverside, CA 92521.

The following list was compiled to give scale systematists an idea of what is available in this little known collection. Little attempt has been made to actively search for and correct misidentifications, particularly when a species is represented by a relatively large number of specimens. However, readily apparent misidentifications have been noted and corrected, and the collection as a whole seems to be generally free of identification errors.

Abbreviations used in the list are: TM - TYPE MATERIAL, P - PARATYPE, and CO - COTYPE.



-a-

abnormalis McKenzie, Anisococcus	4	annae Cockerell, Orthezia	10
acaciae (Morgan), Neomorgania	1	aonidum (Linnaeus), Chrysomphalus	23
acalyptus Herbert, Matsucoccus	1	Apiomorpha spp.	2
acericola Hollinger, Chionaspis	1	arabidis (Signoret),	1
acericola (Walsh & Riley),	1	Asterolecanium	
Pulvinaria		araucariae Maskell, Eriococcus	4
Aclerda spp.	4	arctostaphyli (Cockerell &	6
aculeata Ferris, Dinaspis	1	Robbins), Aspidaspis	
acutissimus (Green), Coccus	1	arctostaphyli Ferris, Puto	3
adenostomae Ehrhorn, Eriococcus	1	arizonensis (Ehrhorn),	1
aechmeae Newstead, Gymnaspis	1	Cryptoripersia	
aegyptiaca (Douglas), Icerya	1	arizonensis King, Kermes	1
aesculi (Johnson), Diaspidiotus	3	arizonicus (Cockerell),	2TM
agavis (Townsend & Cockerell),	6	Rugaspidiotus	
Acutaspis		armatus (Cockerell), Pseudokermes	1TM
agavis Russell, Asterolecanium	1	artemisiae Ehrhorn, Phenacoccus	1
agavium (Douglas), Ovaticoccus	3	artemisiae Cockerell, Orthezia	10
*alata (Froggatt), Neoleonardia	3	articulatus (Morgan),	25
alazon Williams, Dysmicoccus	1	Selenaspidus	
albata Hempel, Tectopulvinaria	1TM	asper Hempel, Stigmacoccus	1
albicans McKenzie, Puto	1	aspidistrae (Signoret), Pinnaspis	9
albopicta (Cockerell), Acutaspis	14	atherospermae (Maskell),	1
albus (Cockerell), Aonidomytilus	1	Lecanodiaspis	
alleni McKenzie, Phenacoccus	5	atomaria Hall, Aonidiella	1P
amazonicus Hempel, Ceroplastes	1	atriplicis Ferris, Humococcus	1
americana Johnson,	5	atriplicis McKenzie, Puto	1
americanus (Hambleton), Rhizococcus	1	attenuata (Hempel), Alichtensia	1
ancylus (Putnam), Diaspidiotus	3	aurantii (Maskell), Aonidiella	176
*andersoni Newstead, Akermes	1	aurilanus (Maskell),	6
andersoni (Coleman), Spilococcus	2	Nipaecoccus	
angraeci Cockerell, Conchaspis	2	azaleae (Comstock), Eriococcus	2

-b-

Baccacoccus sp.	4	bisetosus Morrison, Matsucoccus	2
baccatus (Maskell), Cryptes	1	*blanchardii Targioni-Tozzetti,	21
bambusae (Boisduval),	5	Parlatoria	
Asterolecanium		boisduvalii Signoret, Diaspis	7
bambusae (Maskell), Chaetococcus	3	boninsis (Kuwana), Dysmicoccus	1
banksiae (Maskell), Parlatoria	1	borassi Green, Halimococcus	1
barberi (Cockerell), Puto	1	boweryi (Cockerell),	2
beckii (Newman), Cornuaspis	50	Pseudischnaspis	
bennetti Williams, Parlagna	1	brasiliensis Hempel, Canceraspis	2
biclavis (Comstock), Howardia	10	brasiliensis Hempel, Cryptokermes	1
bifasciculatus Ferris,	13	brevipes (Cockerell), Dysmicoccus	7
Chrysomphalus		bromeliae (Kerner), Diaspis	7
biformis (Cockerell), Furchaspis	2	bromeliae (Leonardi), Melanaspis	1
bigeloviae Cockerell, Pulvinaria	1	bruneri Cockerell, Ceroplastes	1
bigeloviae (Cockerell),	3, 1TM	britannicus (Newstead),	1
Targaspidiotus		Dynaspidiotus	
		buxi (Bouche), Pinnaspis	2





-c-

cactearum McKenzie, Spilococcus	8	cocois Lichtenstein, Diaspis	2
cajani (Maskell), Ceroplastodes	1	coffeae Green, Geococcus	1
calceolariae (Maskell),	59	coffeae (Walker), Saissetia	44
Pseudococcus		Colobopyga spp.	1
californica (Ehrhorn), Aclerda	1	coloratus (Cockerell),	1
californica (Coleman), Nuculaspis	5	Abgrallaspis	
californicus McKenzie,	1	coloratus Cockerell, Ceroplastes	1
Scaptococcus		communis Hempel, Ceroplastes	1TM
*calura (Cockerell), Melanaspis	3TM	comperei McKenzie, Aonidiella	7P
camelliae (Hoke), Insulaspis	1	comstocki (Johnson), Gonaspidiotus	1
camelliae (Comstock), Parlatoria	2	comstocki (Kuwana), Pseudococcus	24
*capensis (Walker), Separaspis	4	Conchaspis spp.	2
caricis McConnell, Trionymus	11	conchiformes (Gmelin), Mytilaspis	7
caryae Fitch, Lecanium	5	conchiformioides (Borchsenius),	1
castilloae (Cockerell),	1TM	Mytilaspis	
Platysaissetia		confluens Cockerell & Tinsley,	1
casuarinae Lindinger, Poliaspis	1	Ceroplastes	
ceanothi (Ferris), Aonidomytilus	3	confusus (Cockerell), Dactylopius	8
*cedri (Green), Pygidiaspis	2TM	coniferarum (Cockerell),	2
cerasorum (Cockerell), Eulecanium	2	Diaspidiotus	
ceriferus (Fabricius), Ceroplastes	3	consolidata Ferris, Chortinaspis	5
chinensis (Chamberlin), Cornuaspis	5(1T + 1P)	corni (Bouche), Parthenolecanium	110
chinensis (Marlatt),	1	corticiosa (Brain), Melanaspis	2
Parlatoreopsis		cornuparvum Thro, Neolecanium	1
Chionaspis spp.	1	coryli (Linnaeus), Eulecanium	1
cinerea Hadden, Parlatoria	2	crawi (Cockerell), Aulacaspis	1TM
cingala Green, Parlatoria	1	crinita Laing, Operculaspis	1
cirripediformis Comstock,	2	crotonis Douglas, Parlatoria	2
Ceroplastes		crypta McKenzie, Parlatoria	1P
citri McKenzie, Parlatoria	1P	cryptomeriae Kuwana, Aspidiotus	1
citri (Risso), Planococcus	91	Ctenochiton spp.	18
citri (Comstock), Unaspis	10	cunealis Hempel, Ceroplastes	1TM
citricola Kuwana, Pulvinaria	3	cupressi (Ehrhorn), Ehrhornia	1
citricolus Campbell, Coccus	9CO	cupressi (Coleman), Lineaspis	1
citrina (Coquillett), Aonidiella	71	cuspidatae (Rau), Dysmicoccus,	1P
coccineus Cockerell, Eriococcus	17	= D. wistariae (Green)	
coccus Costa, Dactylopius	2	cyanophylli (Signoret),	22
cockerelli (Cooley),	8	Abgrallaspis	
Pseudaulacaspis			

-d-

Dactylopius spp.	7	deserticola Miller, Helicococcus	5P
daleae Ferris, Situlaspis	3	desolator McKenzie, Parlatoria	1
dearnessi King, Phenacoccus	2	destructor Signoret, Aspidiotus	11
dearnessi (Cockerell),	4	dictyospermi (Morgan),	40
Rhizaspidiotus		Chrysomphalus	
deklei Kosztarab & Vest,	1	diffinis (Newstead), Hemiberlesia	7
Cerococcus		diminutus (Leonardi), Trionymus	1
densiflorae (Bremner), Aspidaspis	3	disclusa Ferris, Clavaspis	7



## -d-

discoides (Hempel), Saissetia 1TM  
 diversicolor (Green), 2  
   Chrysomphalus  
 Drosicha spp. 1

dubius Cockerell, Eriococcus 1  
 dugesii Lichtenstein, Ceroplastes 1  
 duplex (Cockerell), Pseudaonidia 1

## -e-

echinocacti (Bouche), Diaspis 25  
 egbarum Cockerell, Ceroplastes 2TM  
 ehrhorni (Coleman), Diaspidiotus 1  
 ehrhorni (Cockerell), Mycetococcus 3  
 elongata (Green), Greenaspis 1  
 elongata Newstead, Pulvinaria 1  
 ensifera McKenzie, Aonidiella 1P  
 ephedrae (Coquillett), Anisococcus 1  
 ephedrae (Lindinger), 2  
   Archangelskaia  
 ephedrae Newstead, "Lichtensia" 1TM  
 epidendri (Bouche), Asterolecanium 6

eremocitri McKenzie, Aonidiella 2P  
 ericicola McConnell, Pulvinaria 1  
 Eriococcus spp. 3  
 eriogoni Ehrhorn, Eriococcus 2  
 eriogoni Miller, Oregmopyga 1  
 eriogoni (Ehrhorn), Spilococcus 1  
 Eriopeltis spp. 1  
 etrusca Leonardi, Chionaspis 5  
 excrescens Ferris, Lecanium 2  
 euonymi (Comstock), Unaspis 6  
 externa Ferris, Fiorinia 1

## -f-

fagisuga Lindinger, Cryptococcus 1  
 fairmairii Targioni-Tozzetti, 1  
   Ceroplastes  
 falcifer Kunckel d'Herculaïs, 5  
   Rhizococcus  
 fioriniae (Targioni-Tozzetti), 1  
   Fiorinia  
 flabellatus Ferris, Discococcus 1

floccifera (Westwood), Pulvinaria 7  
 florenciae (Coleman), Aspidaspis 1TM  
 floridensis Comstock, Ceroplastes 5  
 fluggeae Hall, Parlatoria 1  
 forbesi (Johnson), Quadraspidiotus 5  
 frenchii (Maskell), Paralecanium 1  
 fulleri Morrison, Parlatoria 1P  
 furfura (Fitch), Chionaspis 3

## -g-

genevense marchali Cockerell, 1TM  
   Eulecanium  
 gigas (Thiem & Gerneck), 1  
   Quadraspidiotus  
 glomerella Cockerell, Tachardiella 2  
 gloverii (Packard), Insulaspis 7  
 glyceria (Green), Greenisca 1TM  
 gossypii Townsend & Cockerell, 35  
   Phenacoccus

gracilis (Balachowsky), Aonidiella 1  
 graminis (Maskell), Antonina 5  
 grandicolum Russell, 1  
   Asterolecanium  
 guatemalensis (Ferris), 1  
   Cataenococcus  
 guerinii Montrousier, Tessarobelus 1  
 gutierreziae (Cockerell), 2  
   Spilococcus

## -h-

halli (Green), Nilotaspis 4  
 hartii (Cockerell), Gonaspidiotus 1

hawaiiensis (Maskell), Andaspis 1  
 helianthi (Cockerell), Phenacoccus 2



## -h-

Hemiberlesia spp.	3
hempeli (Cockerell), Mimosicerya	1
herculeana (Doane & Hadden), Clavaspis	2
hesperidum Linnaeus, Coccus	134

heterophyllae Cooley, Chionaspis	1
hirsutus (Green), Maconellicoccus	3
howardi (Cockerell), Abgrallaspis	1
howardi (Kuwana), Drosicha	1

## -i-

iceryoides (Green), Rastrococcus	1
iheringi Cockerell, Ceroplastes	1
implicatus Ferris, Spilococcus	2
indicus Green, Anomalococcus	1
indicus Green, Dactylopius	1
inflata (Cockerell & Parrott), Megasaisssetia	1

innumerabilis (Rathvon), Pulvinaria	1
inornata McKenzie, Aonidiella	1
insignis Browne, Orthezia	6
insolitus (Green), Coccidohystrix	1
irregularis Cockerell, Ceroplastes	1

## -j-

jaliscensis Townsend & Cockerell, Takahashia	1TM
japonica (Cockerell), Lopholeucaspis	7

juglans-regiae (Comstock), Quadraspidiotus	45
juniperi (Bouche), Carulaspis	4
juniperi (Ehrhorn), Spilococcus	1

## -k-

kelloggi (Ehrhorn & Cockerell), Radicoccus	1
kelloggi (Coleman), Stramenaspis	1
kermanensis (Lindinger), Salicicola	1

Kermes spp.	9
kingii (Cockerell), Eulecanium	1TM
kraunhia (Kuwana), Planococcus	3

## -l-

Labioproctus? spp.	4
*lacca (Kerr), Laccifer	3
laingi Jakubski, Eumargarodes	1
lampas Cockerell, Halimococcus	1
larreae Ferris, Spilococcus	2
larreae (Comstock), Tachardiella	4
lauri (Bouche), Aonidia	1
lasiorum Cockerell, Orthezia	3
lataniae (Signoret), Hemiberlesia	92
lauretorum Lindinger, Aonidiella	1
leperii (Signoret), Epidiaspis	9
leucaenae Cockerell, Neolecanium	1
lichtensioides (Cockerell), Amonostherium	13

*Leucaspis spp.	13
lilacina (Cockerell), Melanaspis	2
lilacinus (Cockerell), Planococcus	1
lintneri Comstock, Chionaspis	1
liquidambar's (Kotinsky), Chemnaspidiotus	1
longicorna McKenzie, Aonidiella	2P
liriodendri (Gmelin), Toumeyella	1
longirostris (Signoret), Ischnaspis	2
longispina (Morgan), Morganella	4
longispinus (Targioni-Tozzetti), Pseudococcus	39
longulus (Douglas), Coccus	8





-1-

lounsburyi (Brain), Chorizococcus 1  
lowi (Colvee), Anamaspis 1

lucidus Hempel, Ceroplastes 1

-m-

machilicola Takahashi, Parlatoria 1  
macdanieli McKenzie, 1  
Paradoxococcus  
mangiferae (Green), Drosicha 1  
mangiferae (Green), 4  
Protopulvinaria  
manzanitae (Whitney), Diaspis 6  
Margarodes spp. 6  
marginalis McKenzie, Parlatoria 1P  
marginipora McKenzie, Aonidiella 1P  
maritimus (Ehrhorn), Pseudococcus 32  
marlatti Cockerell, Phoenicococcus 12  
maskelli (Cockerell), Insulaspis 3  
Matsucoccus spp. 1  
mayteni (Hempel), Mesolecanium 1TM  
mccombi McKenzie, Diaspidiotus 3  
meridionalis Morrison, Margarodes 4  
merrilli (Cockerell), 1  
Duplaspidiotus

micropori Marlatt, Chionaspis 1TM  
mexicana (Comstock), Tachardiella 1  
mexicanus (Cockerell), Puto 1  
minima (Targioni-Tozzetti), 4  
Carulaspis  
minus Lindinger, Asterolecanium 4  
\*mirabilis (Cockerell), 4  
Aspidoproctus  
mirabilis (Cockerell), Toumeyella 2  
miranda (Cockerell), Diaspis 18  
miranda (Cockerell & Parrott), 12  
Saissetia  
montserratensis Riley & Howard, 1  
Icerya  
morrisoni McKenzie, Parlatoria 1P  
multipora (Ferris), Crassaspis 3  
multipora McKenzie, Parlatoria 1P  
multipori (Morrison), 1  
Psoralcococcus

-n-

neglecta DeLotto, Saissetia 1  
nerii Bouche, Aspidiotus 88  
nigra (Neitner), Parasaissetia 23  
nigra (Townsend & Cockerell), 1  
Tachardiella  
\*nigra Signoret, Targionia 2  
nigrofasciatum Pergande, Lecanium 2

nigropunctata (Cockerell), 4  
Melanaspis  
nigropunctatus Ehrhorn & 1  
Cockerell, Kermes  
nipae (Maskell), Nipaecoccus 11  
nitens (Cockerell), Pseudokermes 2  
nudus (Green), Heterococcus 1

-o-

obscura (Comstock), Melanaspis 14  
obscurum (Hempel), Mesolecanium 1TM  
obscurus Essig, Pseudococcus 24  
obsita Cockerell & Robinson, 1  
Pseudaonidia  
occidentalis Douglas, Arctorthezia 3  
oleae (Colvee), Parlatoria 15  
oleae (Olivier), Saissetia 70  
olivaceus (Cockerell), 5  
Cataenococcus

opuntiae (Cockerell), Dactylopius 2  
orientalis (Newstead), Aonidiella 14  
ortholobis Comstock, Chionaspis 11  
osborni (Newell & Cockerell), 2  
Diaspidiotus  
ostreaeformis (Curtis), 1  
Quadraspidotus  
ostreata Cockerell, 1  
Pseudoparlatoria



-p-

paeonia (Cockerell), Pseudaonidia	2
pallida (Maskell), Insulaspis	2
palmae (Cockerell),	11
Borchseniaspis	
palustris Dodds, Eriococcus	1P
parasiti McKenzie, Diaspis	2
parlatoriae Sulc, Syngenaspis	1
parlatorioides (Comstock),	9
Pseudoparlatoria	
parrotti Cockerell, Antonina	1
parvicornis (Cockerell),	1
Toumeyella	
paulista (Hempel), Melanaspis	4
pecosensis Ferris, Syrmococcus	1
penicillata (Green), Froggattiella	1
pentagona (Targioni-Tozzetti),	20
Pseudaulacaspis	
perforatus Maskell, Ctenochiton	1
pergandii (Comstock), Parlatoria	17
perlatus (Green), Coccus	2
perniciosus (Comstock),	16
Quadraspidiotus	
perseae (Comstock), Acutaspis	5
persicae (Fabricius),	9
Parthenolecanium	
personata (Comstock), Mycetaspis	13
philococcus (Cockerell),	1
Opuntiaspis	
piceae (Schrank), Physokermes	1
pini (Kuwana), Crisococcus	1
pini (King), Toumeyella	1
pinicola Ferris, Toumeyella	7
pinifoliae (Fitch), Chionaspis	20
*pinnaeformis (Bouche), Eucornaspis	4

pinnulifer (Maskell),	1
Chrysomphalus	
piperis Green, Coccus	2
pistaciae (Archangelskaya),	1
Pistaciaspis	
pittospori Maskell, Parlatoria	1
platani Ferris, Stomacoccus	8, 3P
polei (Green), Labioproctus	2
pollini (Costa), Pollinia	1
*polygonata Cockerell, Pulvinaria	5
pressus Ferris, Spilococcus	24
pretiosa Ferris, Antonina	2
proboscidaria Green, Fiorinia	2
*prosopidis (Maskell),	3
Lecanodiaspis	
prosopidis (Cockerell),	13
proteus (Curtis), Parlatoria	6
pruinatum Coquillett, Lecanium	30
pseudaspidiotus (Lindinger),	2
Genaparlatoria	
prunastri (Fonscolombe),	2
Sphaerolecanium	
pseudoleucaspis (Kuwana),	1
Kuwanaspis	
pseudomagnoliarum Kuwana, Coccus	100
psidii (Maskell), Pulvinaria	2
Pulvinaria spp.	10
purchasi Maskell, Icerya	42
pustulans (Cockerell),	4
Asterolecanium	
puteum Russell, Asterolecanium	1
pyri (Marlatt), Parlatoreopsis	1
pyriformis (Cockerell),	2
Protopulvinaria	

-q-

quercicola (Bouche),	1
Asterolecanium	
quercicolus (Ferris), Dysmicoccus	3
quercifex Fitch, Lecanium	7

quercus Comstock, Cerococcus	16
quercus (Comstock), Eriococcus	7
quercus (Kuwana), Kuwania	1
quercus (Comstock), Quernaspis	6

-r-

rapax (Comstock), Hemiberlesia	53
rattani Ehrhorn, Kermes	1
rehi (Lindinger), Brevennia	14
replicata (Lindinger), Aonidiella	1

resinosae Bean & Godwin,	1
Matsucoccus	
rhizophorae (Cockerell),	1
Melanaspis	



-r-

rileyi Cockerell, *Icerya* 7  
 rosae (Bouche), *Aulacaspis* 14  
 rosae (Riley & Howard), 1  
     *Crypticerya*  
 rossi (Maskell), *Lindingaspis* 20  
 rostellum (Hoke), *Chorizococcus* 2  
 rotundus Hempel, *Ceroplastes* 2TM

rubens Maskell, *Ceroplastes* 2  
 rubra (Hempel), *Tachardiella* 1  
 rufescens (Cockerell), 40  
     *Lecanodiaspis*  
 ruthae Kotinsky, *Odonaspis* 27  
 ryani (Coquillett), *Dysmicoccus* 7

-s-

sabalis (Comstock), *Comstockiella* 7  
 sacchari (Cockerell), *Aspidiella* 1  
 sacchari (Cockerell), 2  
     *Saccharicoccus*  
 \*salicicola Ferris, *Epidiaspis* 1  
 salicis (Linnaeus), *Chionaspis*  
 salinus (Cockerell), 1  
     *Distichlicoccus*  
 sassceri Cockerell & Robbins, 3  
     *Chionaspis*  
 schini (Cockerell), *Coccus* 1  
 \*sculpturatus Ferris, *Rugaspidiotus* 5  
 scutiformis (Cockerell), *Acutaspis* 1  
 secreta (Cockerell), *Odonaspis* 1  
 sequoiae (Coleman), *Spilococcus* 1  
 sedentarius McKenzie, *Desmococcus* 1  
 seychellarum (Westwood), *Icerya* 1  
 silvaticus (Lindinger), 9  
     *Neoselenaspidus*  
 simile Russell, *Asterolecanium* 1  
 similis Morrison, *Icerya* 6

simmondsiae McKenzie, *Puto* 11  
 simplex Leonardi, *Aonidia* 1  
 sinensis Del Guercio, *Ceroplastes* 2  
 solani Ferris, *Phenacoccus* 11  
 solenopsis Tinsley, *Phenacoccus* 20  
 sorghiellus (Forbes), *Pseudococcus* 1  
 sparsus McKenzie, *Pseudococcus* 3  
 spartinae (Comstock), *Haliaspis* 2  
 speciosus Hempel, *Ceroplastes* 1  
 spuria (Modeer), *Gossyparia* 25  
 stauntoniae (Takahashi), 1  
     *Metaspidiotus*  
 Steatococcus spp. 12  
 stellifera (Westwood), *Vinsonia* 1  
 Stictococcus spp. 1  
 strachani (Cooley), *Pinnaspis* 9  
 subericola Vayssiere, *Phenacoccus* 1  
 subrubescens (Maskell), 2  
     *Octaspidiotus*  
 subsimilis (Cockerell), *Clavaspis* 1CO

-t-

Tachardiella spp. 28  
 tamaricicola Malenotti, 1  
     *Adisodiaspis*  
 taxus Leonardi, *Aonidiella* 12  
 tenebricosa (Comstock), *Melanaspis* 4  
 tessellatus (Signoret), 6  
     *Eucalymnatus*  
 tesseratus (Grandpre & Charmoy), 2  
     *Duplaspidiotus*  
 texana Morrison, *Neosteingelia* 1  
 thamnasmae Ferris, *Lecanodiaspis* 28  
 theae Green, *Fiorinia* 4, 9TM  
 theae Cockerell, *Parlatoria* 2  
 \*theae Green & Mann, *Tachardina* 4

\*theobromae Newstead, *Hemilecanium* 1  
 tinctorius Cockerell, *Porococcus* 2TM  
 tokionis (Kuwana), *Insulaspis* 1  
 tomentosus (Lamarck), *Dactylopius* 14  
 townsendi Cockerell, *Diaspis* 1  
 townsendi (Cockerell), 1  
     *Steatococcus*  
 trifolii (Forbes), *Chnaurococcus* 1  
 trilobitiformis (Green), 4  
     *Pseudaonidia*  
 tubercularis Newstead, *Aulacaspis* 1  
 tubulorum (Ferris), 3  
     *Paralepidosaphes*



## -u-

ulmi (Johnson), Clavaspis 6  
 ulmi (Linnaeus), Lepidosaphes 17  
 ulter Ferris, Puto 2

urbicola Cockerell, Pulvinaria 1  
 uvae (Comstock), Diaspidiotus 2

## -v-

variabilis Ferris, Aonidomytilus 7  
 variegatus Hempel, Ceroplastes 2TM  
 variolosum (Ratzeburg), 2  
     Asterolecanium  
 vastator (Maskell), Nipaecoccus 1

vinsonioides Newstead, Ceroplastes 1  
 virgata (Cockerell), Ferrisia 22  
 viridis (Green), Coccus 2  
 vitis (Linnaeus), Pulvinaria 5

## -w-

wistariae (Green), Dysmicoccus 1

## -y-

yanagicola (Kuwana), Insulaspis 1  
 yanonensis (Kuwana), Unaspis 20  
 yuccae (Coquillett), Puto 9  
 yuccae (Cockerell), Situlaspis 4

\*yuccarum (Cockerell), 9  
     Targaspidiotus  
 yunnanensis Ferris, Parlatoria 1P

## -z-

zamia (Morgan), Furchadaspis 4  
 zealandica (Maskell), 1  
     Phenacoleachia

zizyphi (Lucas), Parlatoria 7





## NOTES

At last a Newsletter!! I apologize for taking so long with this one. I hope that the next number will appear in 1979 since I already have enough information.

Because the original mailing list was compiled in 1973, a revision seems to be in order. If you still wish to receive the "Coccidologist's Newsletter", please fill out the following form and return it to:

D. R. Miller  
Building 003, Room 1  
Systematic Entomology Lab.  
USDA, BARC-West  
Beltsville, MD. 20705

ONLY THOSE PEOPLE WHO RETURN THE FORM BY MAY 1, 1980 WILL BE RETAINED ON THE MAILING LIST.

NAME: \_\_\_\_\_

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COUNTRY: \_\_\_\_\_

CURRENT INTERESTS: \_\_\_\_\_

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As most of you realize a successful session was held at the XV International Congress of Entomology. The scale symposium was held on 25 August 1976. Thanks to the efforts of Michael Kosztarab the proceedings of the symposium have been published and may be obtained by writing to Dr. Michael Kosztarab, Department of Entomology, Virginia Polytechnic Institute and State University, Blacksburg, VA. 24061. The citation is:

1977. Proceedings of the symposium: Recent advances in the study of scale insects. Va. Polytech. Inst. State Univ. Res. Div. Bull. 127, 102 pp.

A session is currently in the planning stages for the XVI International Congress of Entomology to be held in Kyoto, Japan 3-9 August, 1980. For information contact Dr. Sadao Takagi, Entomological Institute, Hokkaido University, Sapporo, Japan.

A scale insect symposium will be held at the National Meetings of the Entomological Society of America. The meeting is in the Denver Hilton Hotel, in Denver, Colorado 25-29 November, 1979. The scale symposium will be on Sunday, 25 November. For more information contact Dr. Michael L. Williams, Department of Zoology and Entomology, Auburn University, Auburn, AL. 36830.

There has been a definite decrease in the number of papers received for recording in the Newsletter. Obviously some of you are a bit unhappy with the long lapse of time between newsletters, but please do not stop sending reprints. They eventually will be listed. Several people have indicated that the list is quite helpful. We are beginning a new system starting with the 1979 literature; I hope that it will be much more complete.

With this and the next number of the Newsletter, we will have completed the list of species deposited in the USNM Collection. Ray Gill has recorded the species in the collections at Sacramento, California and Riverside, California, and a list has also been compiled for Davis, California. After the next number, I will be anxious to have data from other collections. If you are a curator, please consider making a list of species deposited in your collection and "publishing" it in the Newsletter. This information is very helpful to others.

I am also anxious to have informal notes such as the next item from Dr. Varshney. It is interesting to know what others are doing.

8 December, 1978. "You will be pleased to know that a coccidologist of repute, Dr. S. Takagi of the Hokkaido University (Japan) is at present on a collection trip in India. I had the opportunity to work with him in the North-Western Himalaya, for about a month. Now he is collecting in South India." R. K. Varshney.



Additions to the List of Workers in the Coccoidea

Dr. D. P. Anneck, Plant Protection Research Institute, Private Bag X134, Pretoria, South Africa. (a) Systematics, Biological Control, Life Histories (b), (c), (d).

C. Wayne Berisford, Associate Professor, Dept. of Entomology, University of Georgia, Athens, GA. 30601. (a) Life histories of spp. affecting forest trees, (b), (c), (d).

R. Lee Campbell, WWREC, Puyallup, WA. 98371. (a) Systematics, Chemical Control, Life Histories, (b), (c), (d) Northwest USA.

Dr. M. J. Chacko, Head of the Division of Entomology, Central Coffee Research Institute, C. R. Station Post, 577117, Karnataka, India. (a) Life History, Chemical and Biological Control, (b) Coccidae, Pseudococcidae Diaspididae, Asterolecaniidae, (c) Coccus viridis, Planococcus spp., Saissetia coffeae, Ischnaspis longirostris, (d) Oriental, Ethiopian, Nearctic and Neotropical.

Cheri Cooledge, Field Dev. Spec., P. O. Box 118, Moorestown, N. Jersey 08057. (a), (b), (c), (d).

Sharon J. Collman, County Extension Agent, King County, E. 531 King County Courthouse, Seattle, Washington 98104. (a) Taxonomy of ornamentals, (b), (c), (d) Northwest U.S.A.

Jack R. Coulson, Beneficial Insect Introduction Lab, ARS, USDA, BARC-E, Bldg. 417, Beltsville, MD. 20705, (a) Biological Control, (b), (c), (d) Worldwide.

Jennifer Cox, Dept. of Entomology, British Museum (Natural History), Cromwell Road, S. Kensington, London SW7, England. (a) Systematics, (b) Pseudococcidae, (c) Pseudococcus, (d) New Zealand.

Prof. Dr. Zeliha Duzgunes, T. C. Ankara Universitesi, Ziraat Fakultesi, Entomoloji Kursusii Baskanligi, Ankara, Turkey, (a) Systematics, (b), Pseudococcidae, Coccidae, Diaspididae, (c), (d) Turkey.

Miss L. M. Emms, Technician, Plant Health Diagnostic Station, Ministry of Agriculture & Fisheries, P. O. Box 24, Lincoln, New Zealand, (a) Systematics Life Histories, (b) Margarodidae, Pseudococcidae, Coccidae, Diaspididae, (c), (d) New Zealand.

Dr. Gary Cunningham, Dept. Biology, Box 3AF, New Mexico State Univ., Los Cruces, NM 88003, (a), (b), (c), (d).

Dr. Paul Flavill, Dept. Biology, Box 3AF, New Mexico State Univ., Los Cruces, NM 88003, (a), (b), (c), (d).





Gilbert Fuentes, Entomologo, Laboratorie de Entomologia, Facultad de Agronomia, Universidad de Costa Rica, Ciudad Universitaria, Costa Rica, A. C. (a), (b), (c), (d).

Henry Gilbertson, Director of Technical Services, The Davey Tree Expert Company, 117 S. Water St., Kent, Ohio 44240, (a) Chemical Control, Life Histories, (b) Hemlock Scale, (c), (d) Trees, Forest, Woodlands.

P. Goossens, National Horticultural Centre, P.O.B. 103, Nazareth, Ethiopia (FAO Entomologist), (a) The fate of recent releases of predators/parasites against insects of this group (coccids), Applied Entomology, (b) Diaspididae.

Penelope J. Gullan, Dept. of Zoology, Monash University, Clayton, Victoria, Australia 3168, (a) Taxonomy, (b) Gall-forming Coccoidea, (c) Apiomorpha, (d).

Mr. B. H. Gunn, Plant Protection Research Institute, Dept. of Agricultural Technical Services, c/o Dept. of Zoology and Entomology, Rhodes University, Grahamstown, South Africa 6140, (a) Biological Control, Dispersal, (b) Dactylopiidae, (c) Dactylopius spp., (d) Worldwide.

Magdy Khalifa Hamdy, National Research Center, Sh. El-Tahrir, Dokki, Cairo, Egypt. Lab of Pests and Plant Protection, (a) Systematics, Ecology and Life History, Chemical Control, (b) Diaspididae, Asterolecanidae, (c) Aspidiotus nerii Bouche, Hemiberlesia lataniae (Signoret), Lepidosaphes pappida (Green), Leucaspis riccae Targ., Parlatoria oleae (Colvee), Asterolecanium pustulans Ckll., (d) Egypt.

Larry Hanning, P. O. Box 67, Sikeston, MD. 63801, (a) Systematics, Chemical Control, Biological Control, Life Histories (b) Diaspididae, Coccidae, (c), (d) Midwestern U.S.

Paul R. Heller, Ph.D., Extension Entomologist, Entomology Division, Coop. Ext. Service, The Penn. State Univ., 106 Patterson Bldg., University Park, PA 16802, (a) Chemical and Biological Control, Biology Identification (b) Coccids, (c), (d).

Richard P. Higgins, Area Identifier, P. O. Box 592136 AMF, Miami, FL. 33159 (a) Systematics, (b) Diaspididae, Coccidae, Pseudococcidae, Aleyrodidae, (c), (d) Outside U.S.

Robert L. Hodgdon, USDA, APHIS, PPQ, P.O. Box 277, Laredo, TX. 78040, (a) Systematics, (b), (c), (d) Neo Tropics.

Dr. Alexander Huba, Inst. of Exp. Entomol., Ivanka Pri Dunaji, Czechoslovakia (a), (b), (c), (d).



Dr. Ing. A. Huba, Cs. C. Director of Instit. of Experimental Phytopath. and Entomol. Ivanka pri Dunaji, CSSR, (a), (b), (c), (d).

M. Keith Kennedy, Assist. Professor, Dept. Entomology, Michigan State Univ., East Lansing, MI 48824, (a) Chemical Control, Life Histories, (b) Asterolecanium, (c), (d) Michigan.

Gunter Kohler, Friedrich-Schiller-Universitat Jena, Sektion Biologie/WB Okologie, Fraunhoferstr. 6, DDR/G.D.R., (a) Systematics, Chemical and Biological Control, Life Histories, Population Dynamics, (b) Coccidae, Diaspididae, (c) Coccus virdis - Worldwide.

Phil McNally, Research Asst., Dept. of Entomology, U. C. Riverside, Riverside, CA. 92501, (a), (b) Scales, (c), (d).

Greenman T. Masina, University of Botswana Lesotho and Swaziland, Malkerns Research Station, P. O. Box 4, Malkerns, Swasiland, Southern Africa, (a), General, (b) Scales, (c) Pest species of fruit, (d) Sub-tropical.

Dale E. Meyerdirk, ARS, USDA, 509 West 4th St., Waslaco, TX. 78596. Research Entomologist. (a) Systematics, Chemical and Biological Control, (b) Pseudococcidae, Diaspididae, Coccidae, (c), (d) Citrus Belt, US.

Charles E. Miller, PPQ, APHIS, USDA, International Airport, Puerto Rico 00904, (a) Systematics, Life Histories, (b), (c), (d) New World.

Dr. Ahmed El-Nabawi Mohamed, Dept. of Plant Protection, College of Agriculture, Shebin El-Kom, Egypt, (a) Systematics, Biological Control, Life Histories, Chemical Control, (b), (c), (d).

Sadasib Moharana, Lecturer in Zoology, P. N. College, Khurda- 752055, Orissa, India, (a) Systematics, Life Histories, Cytology, (b) Pseudococcidae, Diaspididae, Margarodidae, (c), (d) India.

Dr. V. C. Moran, Dept. of Zoology & Entomology, Rhodes Univ., Grahamstown 6140, South Africa, (a) Biological Control, Parasites, (b), (c), (d).

J. B. Moussa, Maitre-Assistant, Dept. de Biologie Animale, Faculte des Sciences, Univ. de Brazzaville, B.P. 69. Republique Populaire du Congo. (a) Systematics, Biological Control, Pathology, (b) Cassava Coccoidae, (c) Phenacoccus, (d) Ethiopia.

Barbara J. Muse, Dept. Zool-Entomology, Auburn Univ., Auburn, Alabama 36830, (a) Systematics, Life History, (d) Diaspididae, (c) Aonidomytilus, (d).



Dr. (Mrs.) A. Nagarkatti, Commonwealth Institute of Biological Control, P. O. Box 603, Bangalore 560006, India, (a), (b), (c), (d).

Douglas M. Odermatt, Area Insect Identifier, USDA, APHIS, PPQ, Cargo Bldg. 80, J. F. K. International Airport, Jamaica, N.Y. 11430, (a) Systematics, Distribution, Regulatory Control, (b), (c), (d) Worldwide.

N. Ondrejčáková, Information Service, Agri. Central Control and Testing Institute, Ústředny Kontrolny a Skusobny Ustav Polnohospodarsky v Bratislave, Bratislava, Matuskova 15 (a), (b), (c), (d).

Dr. B. B. Parida, Dept. of Zoology, Tukul Univ., Bhubaneswar, 751004, India (a) Systematics, Cytogenetics, (b) Pseudococcidae, Margarodidae, (c) (d) India.

S. L. Poe, Assoc. Prof. Entomology, Dept. of Entomology & Nematology, 3103 McCarty Hall, Univ. of Florida, Gainesville, FL. 32611, (a) Chemical Control, BioControl, Host Plants, (b) General Pests of Ornamental Plants, (c), (d).

Michael M. Primiani, 5811 Cherrywood Terr., #303, Greenbelt, MD 20770, (a) Chemical Control, Life Histories, Biological Control, (b), (c), (d).

B. K. Rajagopal, Department of Entomology, Agricultural College, Hebbal, Bangalore 24, India, (a), (b), (c), (d).

Charles H. Ray, Jr., Zoology-Entomology, Auburn Univ., Auburn, Alabama 36830, (a) Systematics, Life Histories, (b) Coccidae, Margarodidae, (c) Kilifia, Toumeyella, (d) North America.

Donald R. Riley, USDA, PPQ, Intl. Bridge Bldg., Hidalgo, TX. 78557, (a) Systematics, (b) Coccoidea, (c), (d) Central & North America.

Prof. Dr. H. S. Salama, Head, Labs. National Research Centre, Sh. El-Tahr Dokki, Cairo, Egypt, (a), (b), (c), (d).

T. Sankaran, Entomologist in Charge, Commonwealth Institute of Biological Control, Indian Section, Bellary Road, P. O. Box 603, Bangalore - 560 006 India, (a) Parasites of Pseudaulacaspis barbari, (b), (c), (d).

Dr. Randall T. Schuh, Systematic Entomologist, Assistant Curator, Dept. of Entomology, American Museum of Natural History, New York, NY 10024, (a), (b), (c), (d).

Joseph E. Savage, Entomologist, Nassau County Cooperative Extension, 300 Hempstead Turnpike, West Hempstead, New York 11552 (Coop. Ext. Agent), (a), (b), (c), (d).



Dr. Riad Traboulsi, Laboratory of Entomology, Agricultural Research Institute, Fanar, Lebanon, (a) Systematics, Biological Control, Chemical Control, (b), (c), (d) Lebanon and the Middle East.

Dr. G. P. Tulsyan, Dept. of Zoology, Ranchi Univ., Ranchi, India, (a), (b), (c), (d).

Dr. R. K. Varshney, Superintending Zoologist, Zoological Survey of India, 34, Chittaranjan Avenue, Calcutta - 700 012, India, (a), (b), (c), (d).

G. H. Walter, Dept. Zool. and Ent., Rhodes Univ., Grahamstown, 6140, South Africa, (a) Biological Control, Predation, Protective Devices, (b), (c), (d).

J. Keith Watson, Graduate Research Assistant, Dept. of Ag. Biol., Univ. Tenn., Knoxville, TN. (a) Life Histories, BioControl, (b) Diaspididae, Pseudococcidae, (c), (d).

Dr. Walter Whitford, Professor of Biology, Dept. of Biology, Box 3AF, New Mexico State Univ., Las Cruces, NM 88003, (a), (b), (c), (d).

Dr. Ing. V. Zacha CSc., Agric. Central Control & Testing Inst., 21 Matusa, 881 23 Bratislava, Czechoslovakia, (a) Systematics, Chemical Control, Life Histories, (b) Lecaniidae, Aspidiotini, (c), (d) Europe.

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Technical Officer (Scientific), Biological and Chemical Research Institute, PMB 10, Rydalmere, 2116, N. SW. Australia, (a) Systematics, Chemical and Biological Control, (b) Diaspididae, Coccidae, (c) Comstockaspis, Quadraspidotus, Protancepaspis, (d) Australia.

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Address Change

Lewis L. Deitz, Entomology Dept., Box 5215, N. C. State Univ., Raleigh, N. C. 27650.

